

Data File : VU032808.D
Acq On : 18 Jun 2019 08:50
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Quant Time: Jun 19 01:26:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 18 02:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	230163	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	222990	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	122837	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	68180	43.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.70%
7) Chloroethane-d5	1.68	69	56766	45.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.50%
11) 1,1-Dichloroethene-d2	2.27	63	144287	45.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.06%
21) 2-Butanone-d5	4.17	46	126078	96.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.30%
24) Chloroform-d	4.64	84	145523	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
26) 1,2-Dichloroethane-d4	5.30	65	97245	47.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.48%
32) Benzene-d6	5.33	84	275108	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.66%
36) 1,2-Dichloropropane-d6	6.32	67	88456	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.54%
41) Toluene-d8	7.56	98	258905	47.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.12%
43) trans-1,3-Dichloropropene-	7.84	79	46498	48.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.54%
47) 2-Hexanone-d5	8.31	63	83802	96.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.92%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	134984	47.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.30%
64) 1,2-Dichlorobenzene-d4	11.85	152	110826	46.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	116092	49.934	ug/L 100
3) Chloromethane	1.32	50	100034	47.473	ug/L 100
5) Vinyl chloride	1.40	62	101437	48.533	ug/L 100
6) Bromomethane	1.62	94	60816	49.449	ug/L 100
8) Chloroethane	1.69	64	58570	48.682	ug/L 98
9) Trichlorofluoromethane	1.88	101	142703	48.667	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	76932	50.020	ug/L 100
12) 1,1-Dichloroethene	2.28	96	70194	48.429	ug/L 99
13) Acetone	2.32	43	151066	83.539	ug/L 99
14) Carbon disulfide	2.47	76	215440	46.975	ug/L 100
15) Methyl Acetate	2.61	43	98759	48.179	ug/L 100
16) Methylene chloride	2.69	84	81923	48.169	ug/L 100
17) trans-1,2-Dichloroethene	2.97	96	76557	48.708	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	254047	50.343	ug/L 99
19) 1,1-Dichloroethane	3.44	63	147295	49.156	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	85813	50.117	ug/L 98
22) 2-Butanone	4.25	43	167889	89.575	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	44923	50.292	ug/L	98
25) Chloroform	4.67	83	151256	48.948	ug/L	97
27) 1,2-Dichloroethane	5.40	62	126086	49.668	ug/L	100
29) Cyclohexane	4.99	56	133548	51.291	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	132387	48.730	ug/L	98
31) Carbon tetrachloride	5.13	117	120281	48.659	ug/L	98
33) Benzene	5.38	78	318830	49.633	ug/L	100
34) Trichloroethene	6.18	95	84921	49.478	ug/L	99
35) Methylcyclohexane	6.41	83	141565	53.360	ug/L	98
37) 1,2-Dichloropropane	6.42	63	87565	49.694	ug/L	99
38) Bromodichloromethane	6.75	83	114404	48.284	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	142345	51.851	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	272604	96.901	ug/L	99
42) Toluene	7.63	91	349665	50.310	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	129618	50.268	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	81254	49.542	ug/L	98
46) Tetrachloroethene	8.22	164	71799	51.051	ug/L	99
48) 2-Hexanone	8.36	43	231632	93.320	ug/L	99
49) Dibromochloromethane	8.47	129	94041	47.563	ug/L	97
50) 1,2-Dibromoethane	8.58	107	90954	49.936	ug/L	99
51) Chlorobenzene	9.11	112	227000	49.633	ug/L	98
52) Ethylbenzene	9.24	91	395105	51.358	ug/L	100
53) m,p-Xylene	9.37	106	147406	50.784	ug/L	99
54) o-xylene	9.77	106	142955	50.432	ug/L	97
55) Styrene	9.79	104	251775	51.200	ug/L	98
56) Isopropylbenzene	10.16	105	394747	51.674	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	140950	47.494	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	112829	47.980	ug/L	99
61) Bromoform	9.95	173	70768	44.121	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	189912	49.739	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	191133	48.466	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	188486	48.348	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	34261	46.064	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	153845	50.147	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	137191	51.970	ug/L	98
69) Naphthalene	13.74	128	417696	51.463	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	139908	50.064	ug/L	99

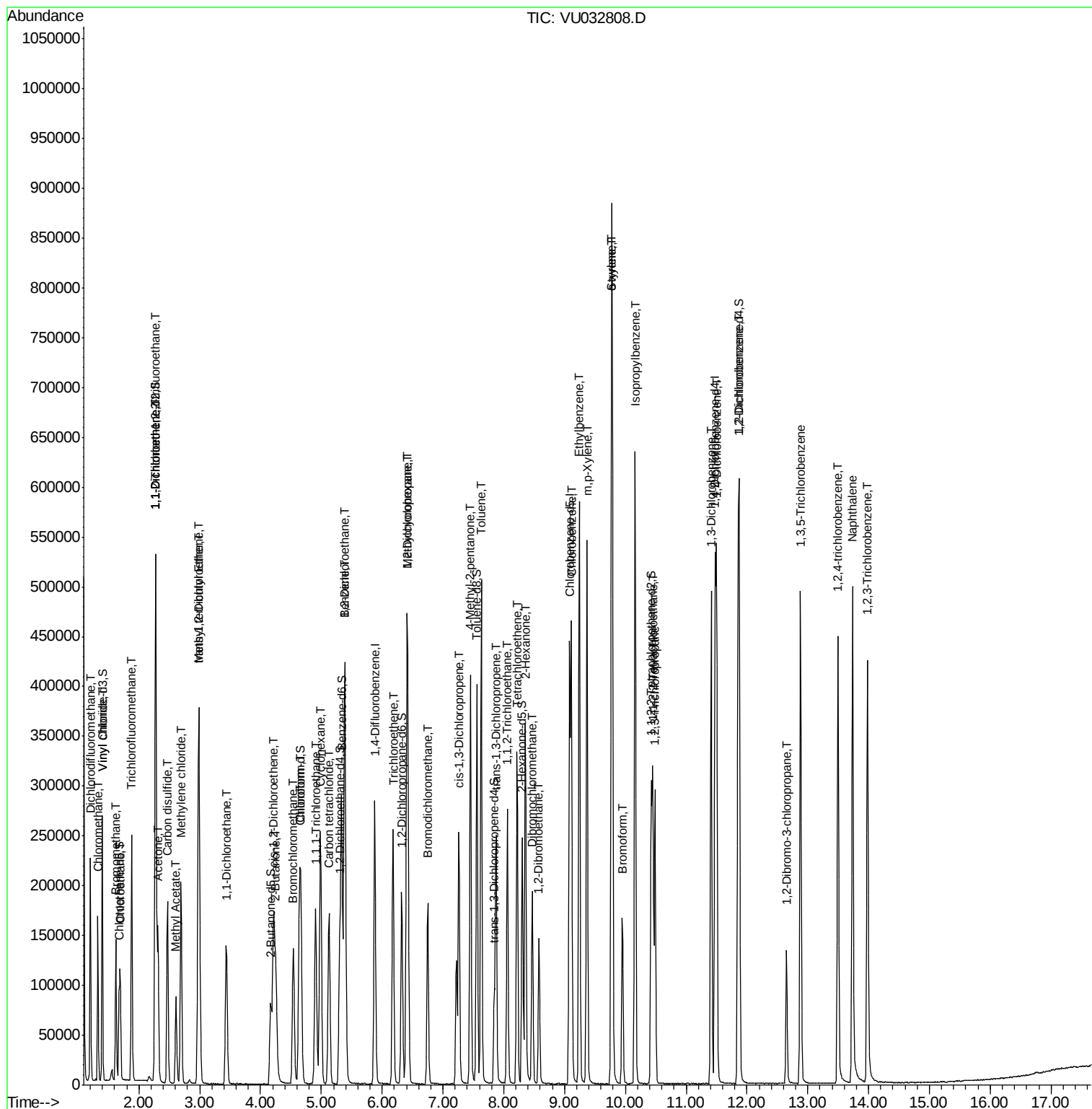
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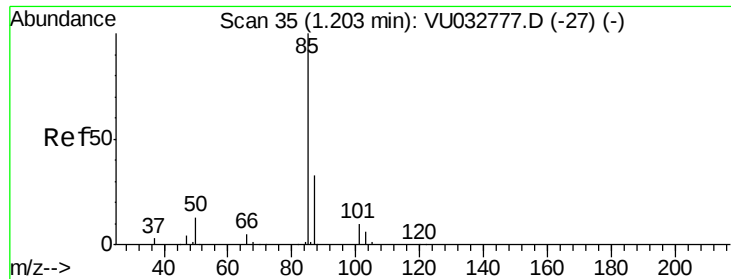
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#2

Dichlorodifluoromethane

Concen: 49.934 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

Instrument :

MSVOA_U

ClientSampleId :

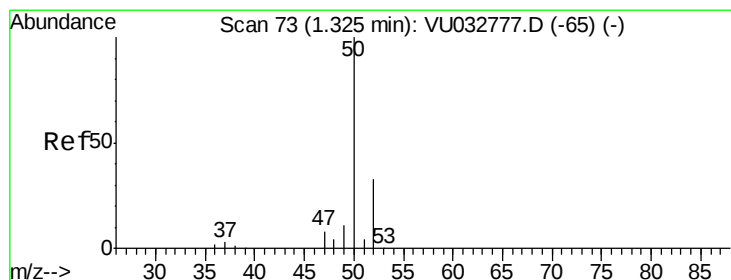
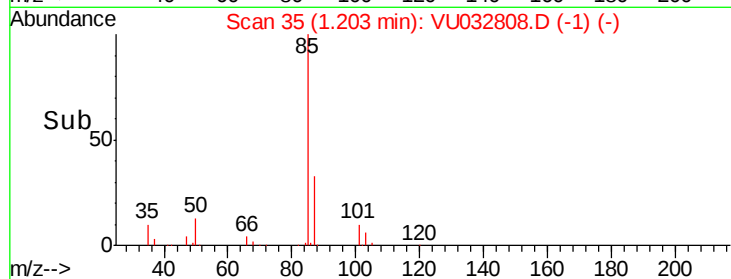
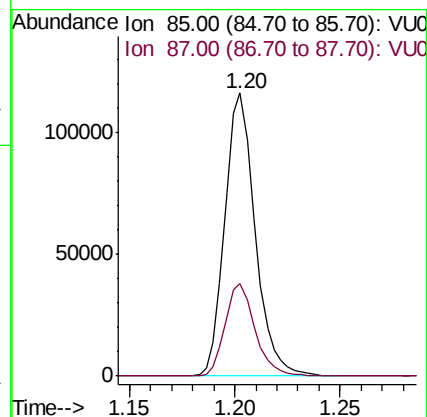
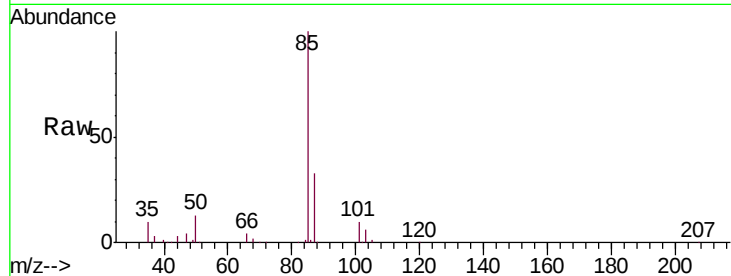
VSTD05053

Tgt Ion: 85 Resp: 116092

Ion Ratio Lower Upper

85 100

87 32.4 25.8 38.8



#3

Chloromethane

Concen: 47.473 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032808.D

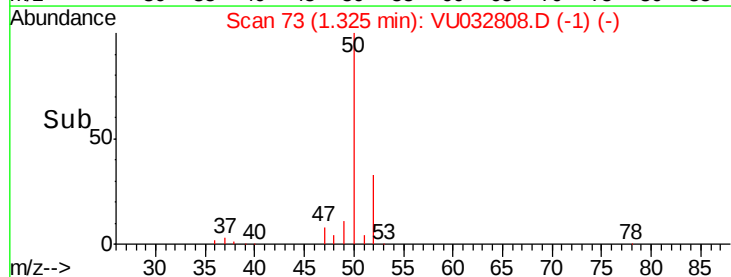
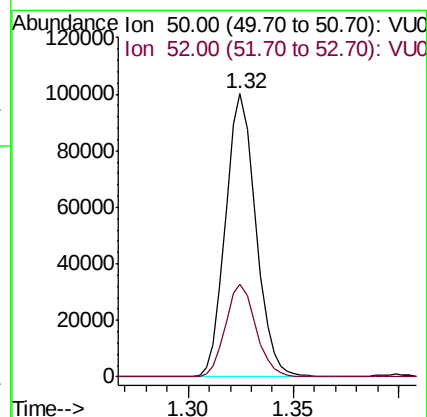
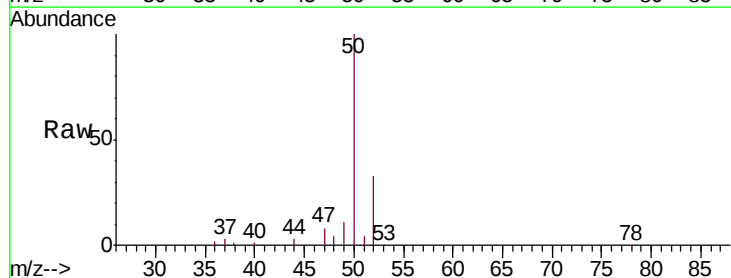
Acq: 18 Jun 2019 08:50

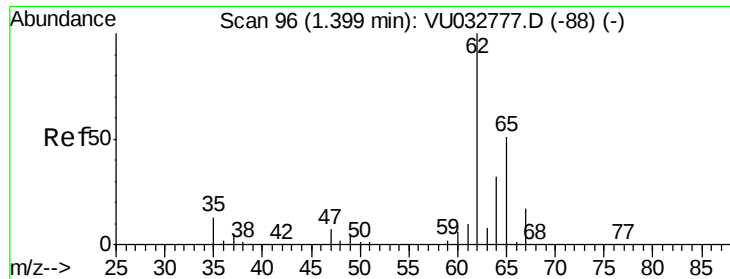
Tgt Ion: 50 Resp: 100034

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.6





#5

Vinyl chloride

Concen: 48.533 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

Instrument :

MSVOA_U

ClientSampleId :

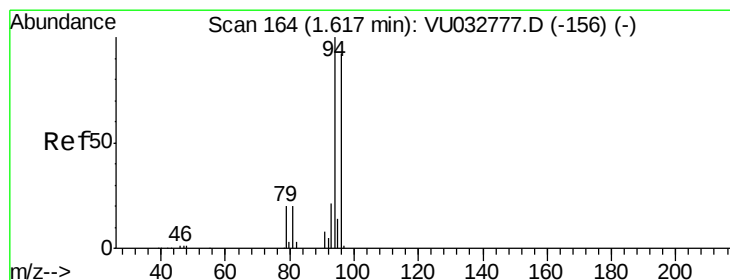
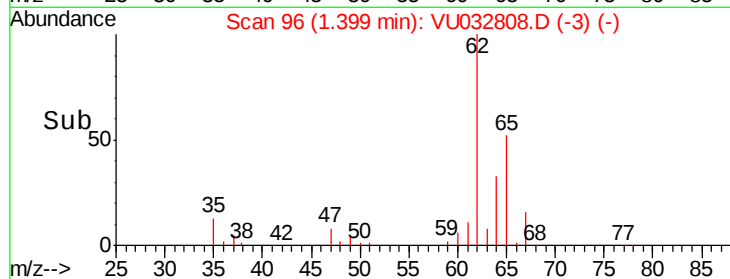
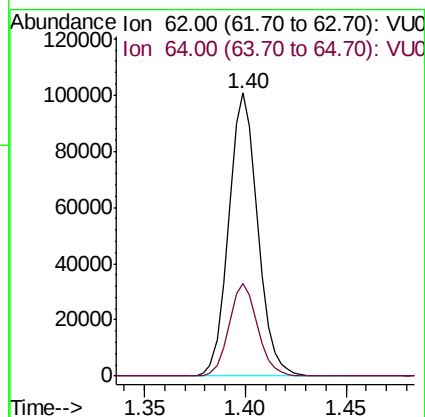
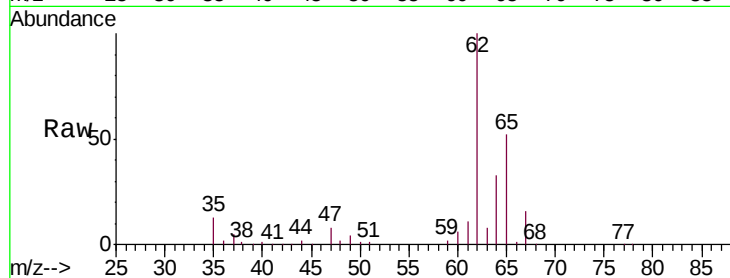
VSTD05053

Tgt Ion: 62 Resp: 101437

Ion Ratio Lower Upper

62 100

64 32.6 23.0 42.6



#6

Bromomethane

Concen: 49.449 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU032808.D

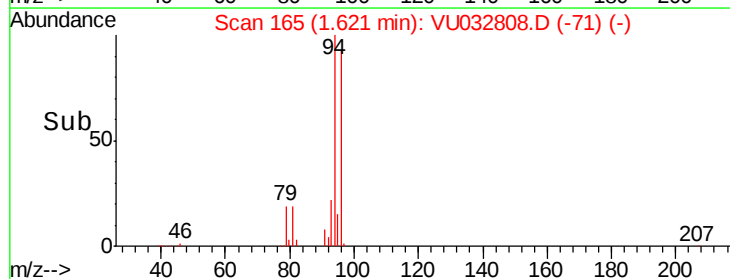
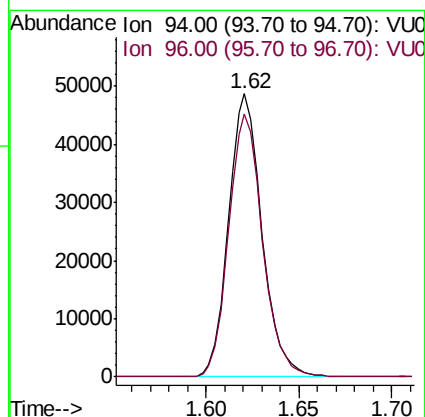
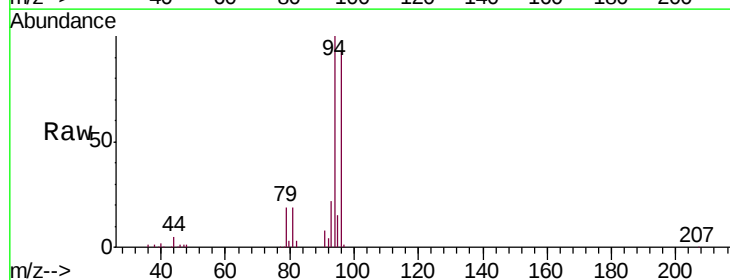
Acq: 18 Jun 2019 08:50

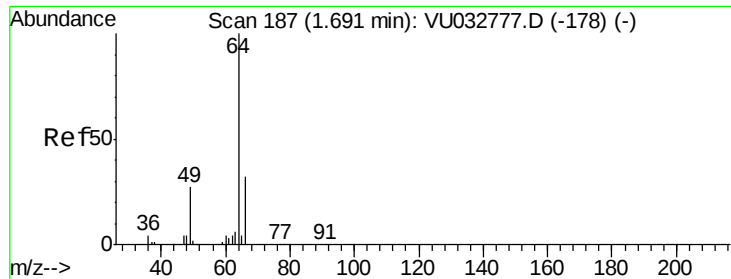
Tgt Ion: 94 Resp: 60816

Ion Ratio Lower Upper

94 100

96 92.8 64.8 120.4





#8

Chloroethane

Concen: 48.682 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

Instrument :

MSVOA_U

ClientSampleId :

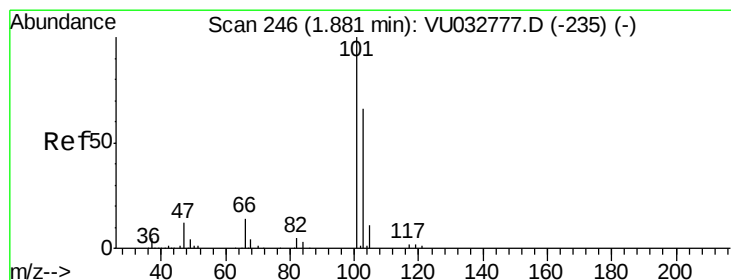
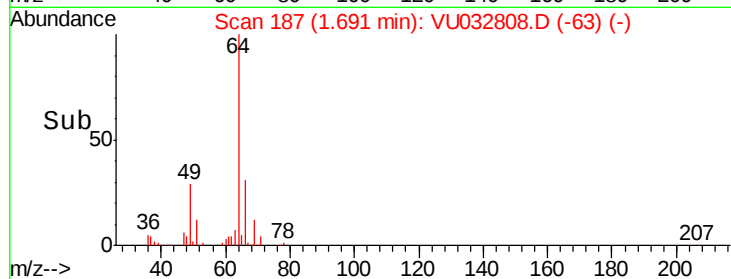
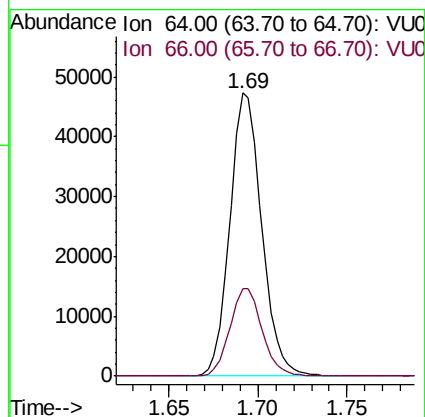
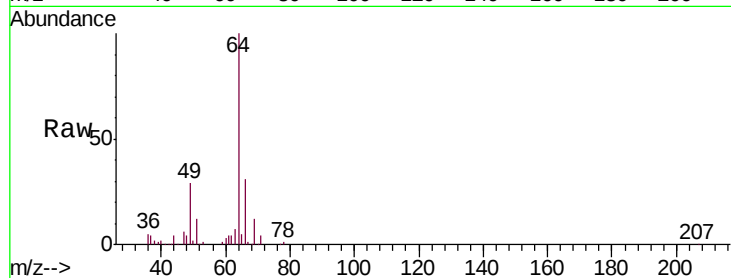
VSTD05053

Tgt Ion: 64 Resp: 58570

Ion Ratio Lower Upper

64 100

66 30.9 22.5 41.7



#9

Trichlorofluoromethane

Concen: 48.667 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU032808.D

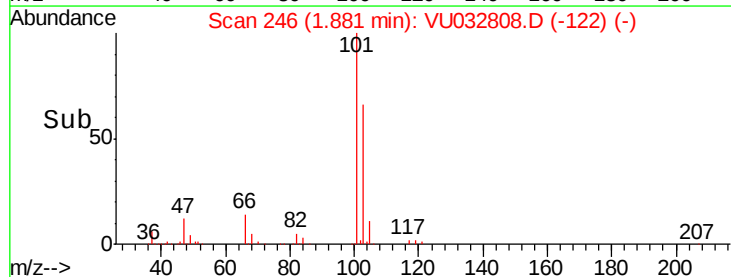
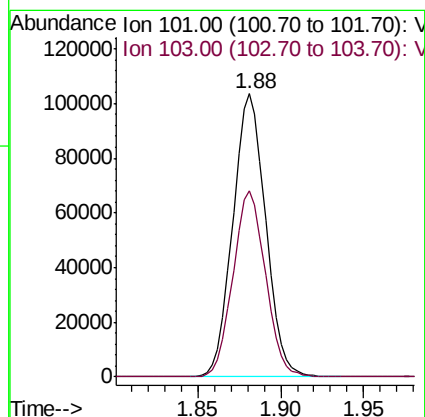
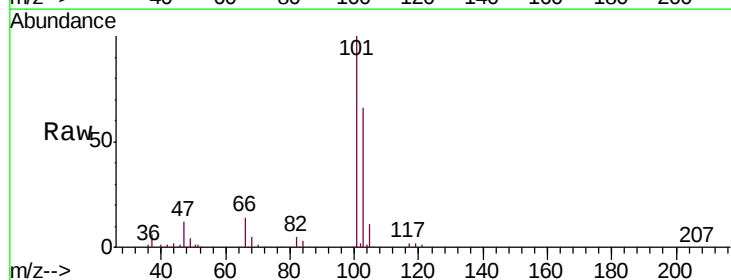
Acq: 18 Jun 2019 08:50

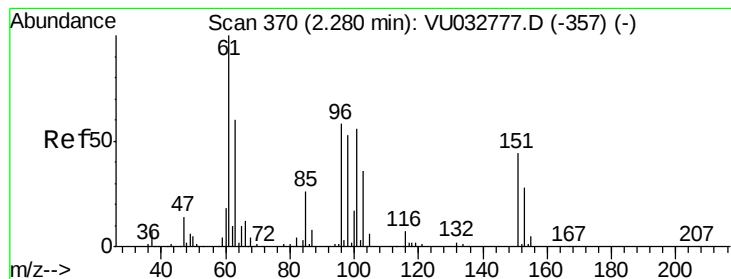
Tgt Ion: 101 Resp: 142703

Ion Ratio Lower Upper

101 100

103 65.1 51.3 76.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 50.020 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

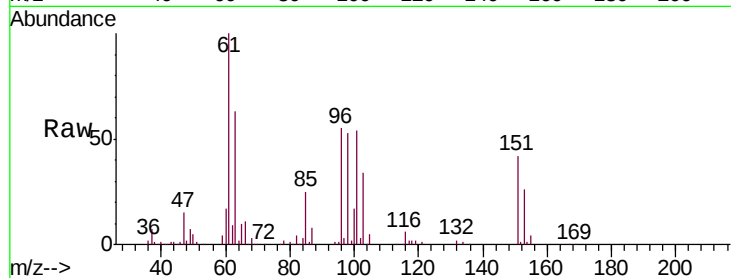
Tgt Ion: 101 Resp: 76932

Ion Ratio Lower Upper

101 100

85 45.6 36.8 55.2

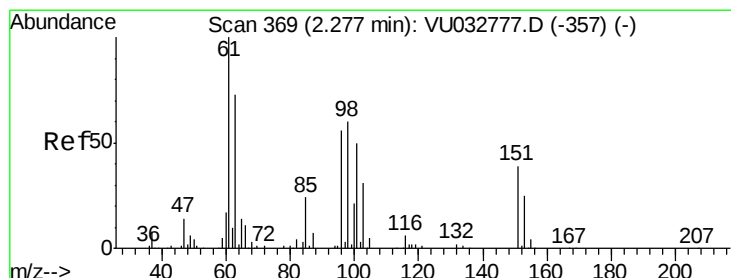
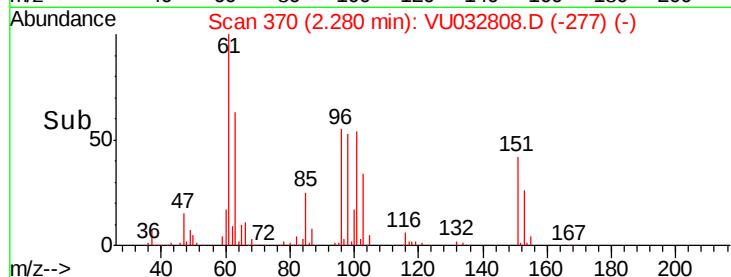
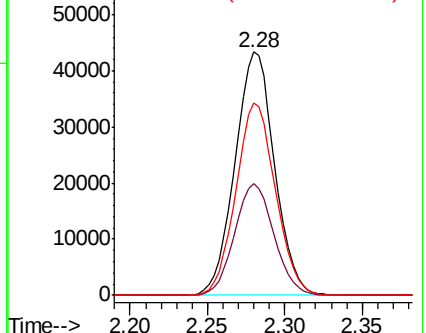
151 79.2 63.6 95.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.429 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

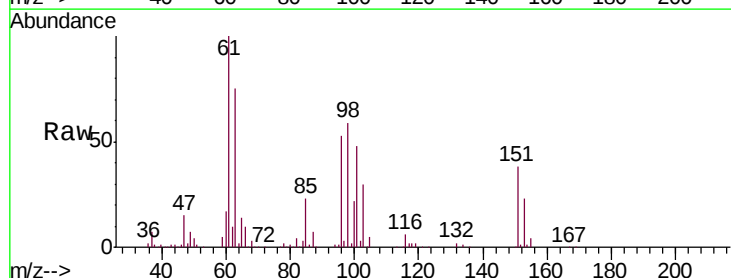
Tgt Ion: 96 Resp: 70194

Ion Ratio Lower Upper

96 100

61 187.0 131.0 243.4

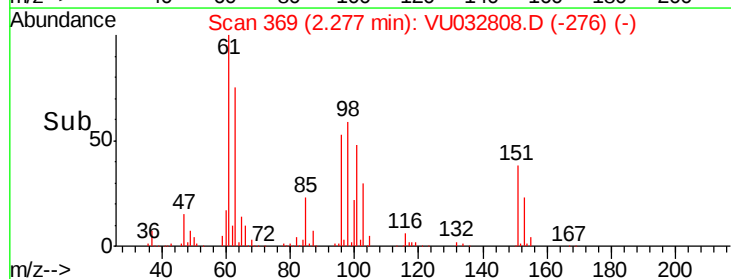
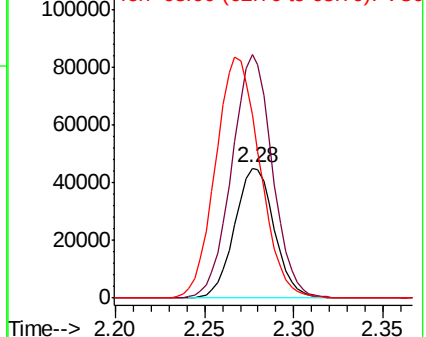
63 140.5 101.0 187.6

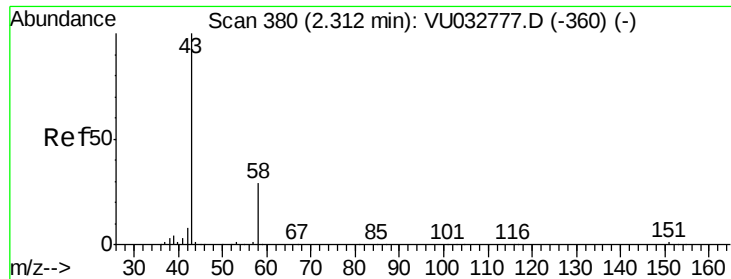


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 83.539 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

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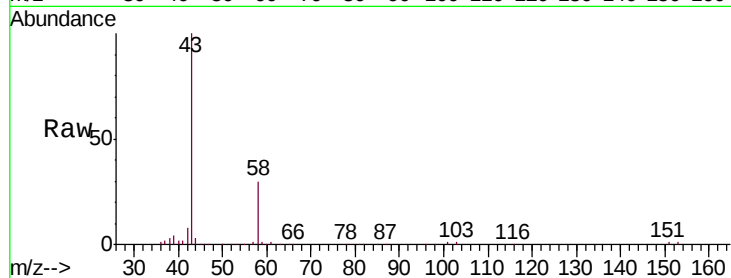
VSTD05053

Tgt Ion: 43 Resp: 151066

Ion Ratio Lower Upper

43 100

58 30.0 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032777.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU032777.D (-360) (-)

2.32

100000

80000

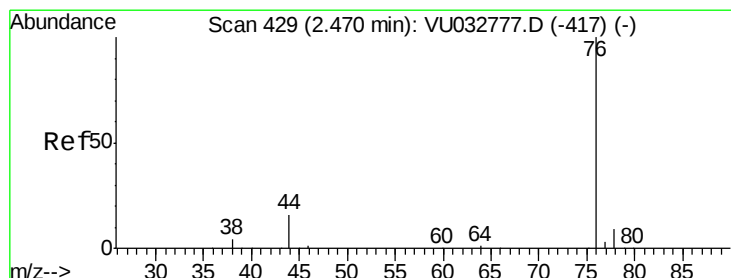
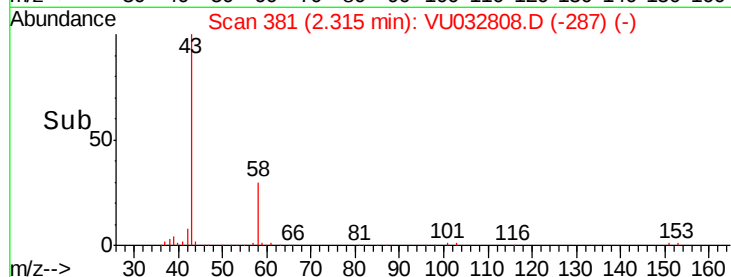
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 46.975 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032808.D

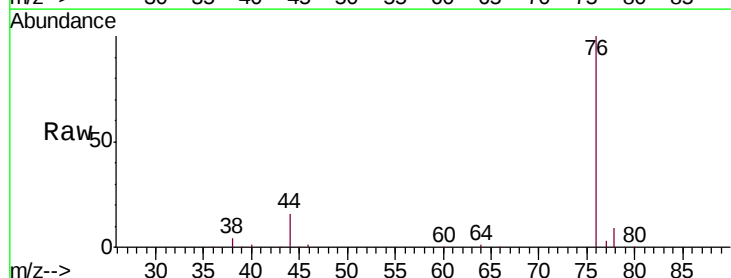
Acq: 18 Jun 2019 08:50

Tgt Ion: 76 Resp: 215440

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU032777.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU032777.D (-417) (-)

2.47

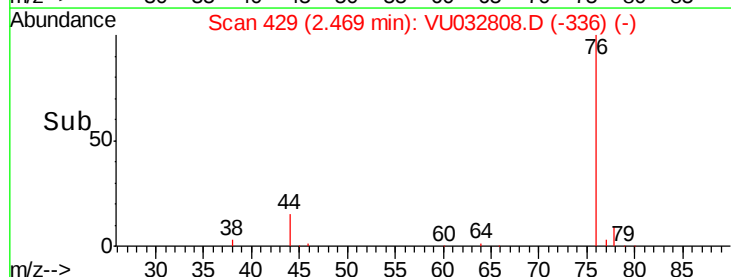
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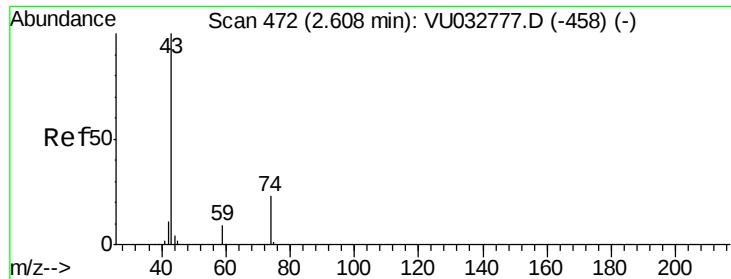
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50000

0

Time-->

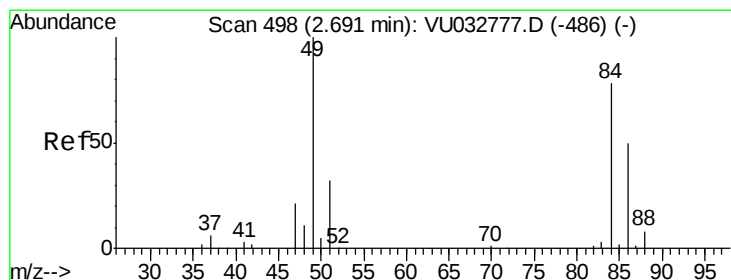
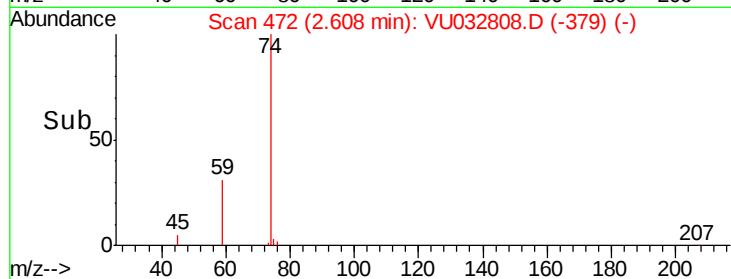
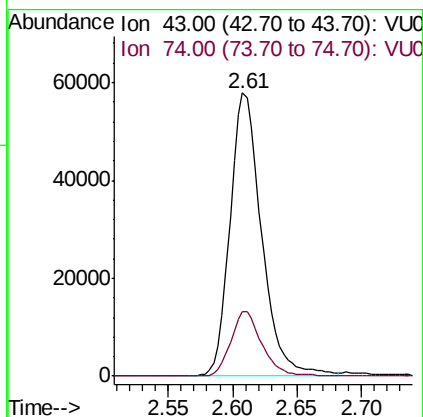
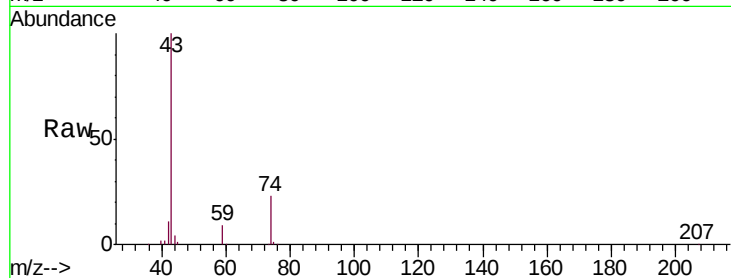




#15
Methyl Acetate
Concen: 48.179 ug/L
RT: 2.61 min Scan# 472
Delta R.T. -0.00 min
Lab File: VU032808.D
Acq: 18 Jun 2019 08:50

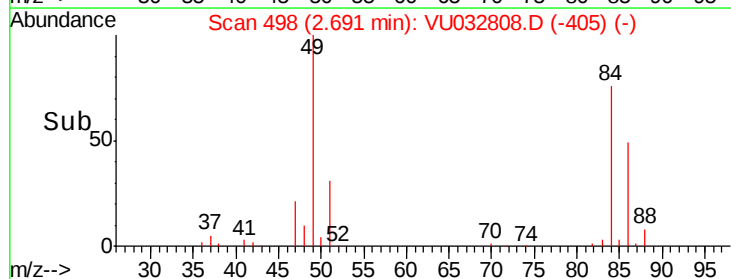
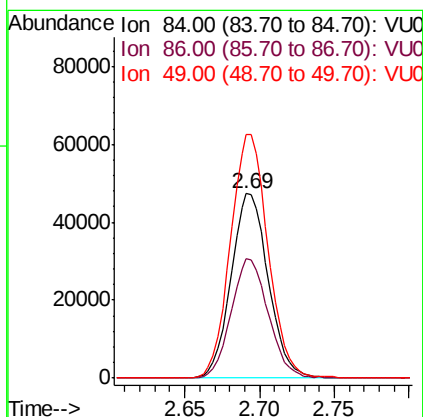
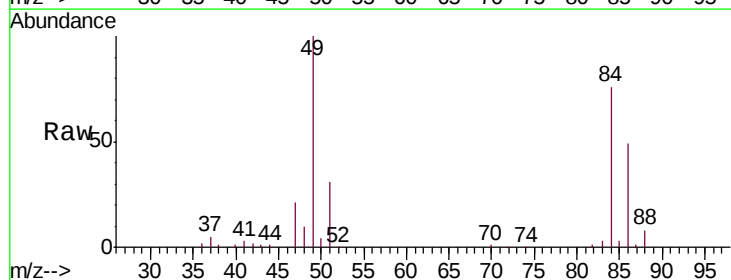
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

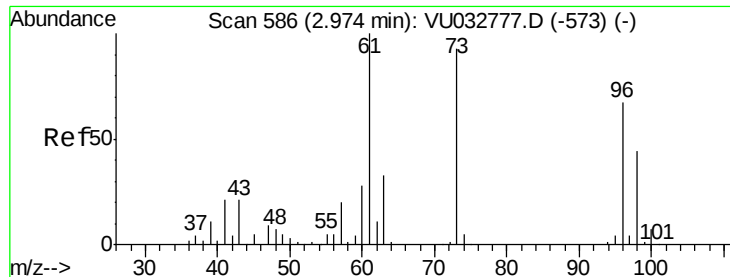
Tgt Ion: 43 Resp: 98759
Ion Ratio Lower Upper
43 100
74 22.5 18.1 27.1



#16
Methylene chloride
Concen: 48.169 ug/L
RT: 2.69 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU032808.D
Acq: 18 Jun 2019 08:50

Tgt Ion: 84 Resp: 81923
Ion Ratio Lower Upper
84 100
86 64.7 45.5 84.5
49 131.9 92.1 171.1





#17

trans-1,2-Dichloroethene

Concen: 48.708 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

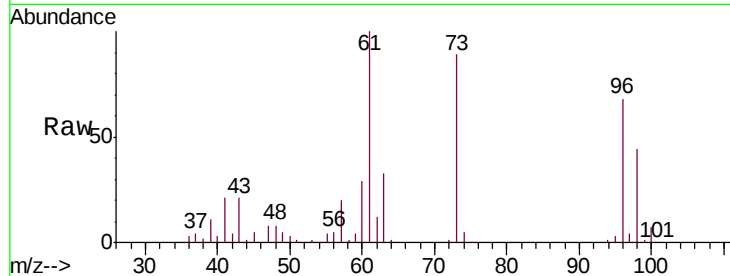
Tgt Ion: 96 Resp: 76557

Ion Ratio Lower Upper

96 100

61 147.0 100.9 187.5

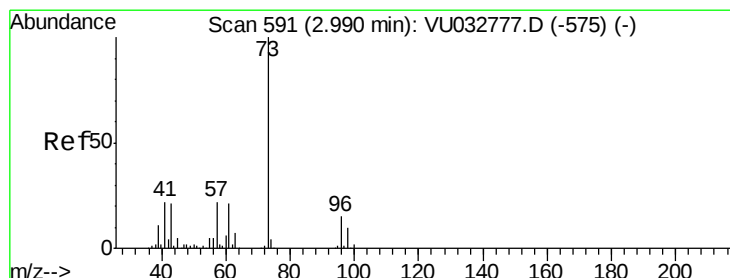
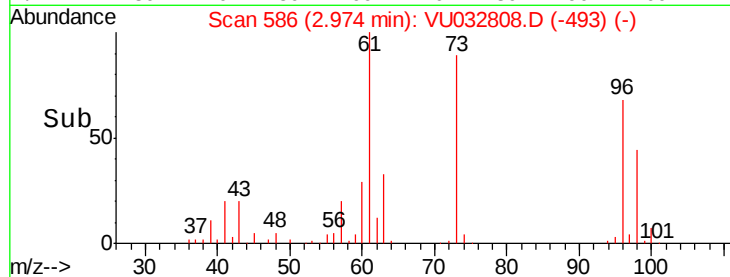
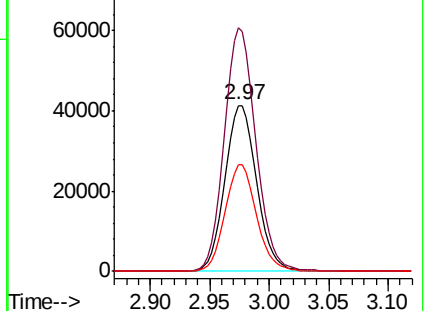
98 64.3 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU032808.D (-493) (-)

Ion 61.00 (60.70 to 61.70): VU032808.D (-493) (-)

Ion 98.00 (97.70 to 98.70): VU032808.D (-493) (-)



#18

Methyl tert-butyl Ether

Concen: 50.343 ug/L

RT: 2.99 min Scan# 591

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

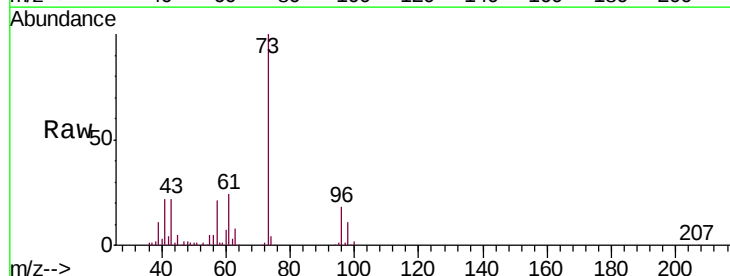
Tgt Ion: 73 Resp: 254047

Ion Ratio Lower Upper

73 100

43 22.2 17.8 26.8

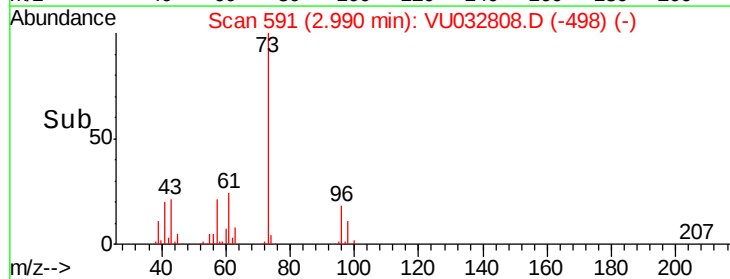
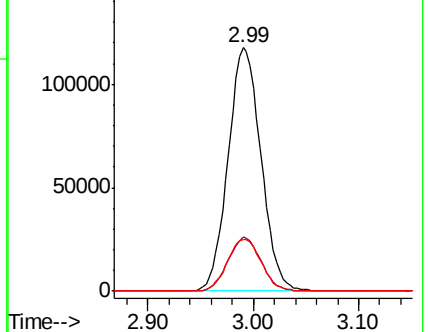
57 21.8 17.8 26.6

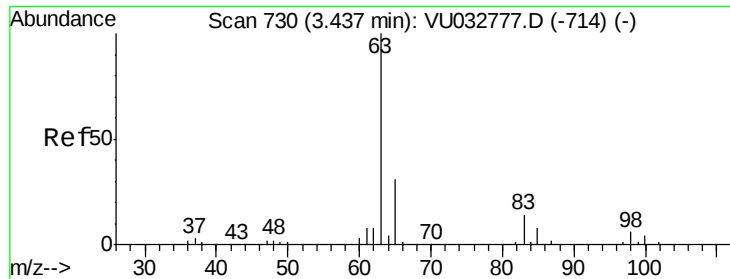


Abundance Ion 73.00 (72.70 to 73.70): VU032808.D (-498) (-)

Ion 43.00 (42.70 to 43.70): VU032808.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU032808.D (-498) (-)

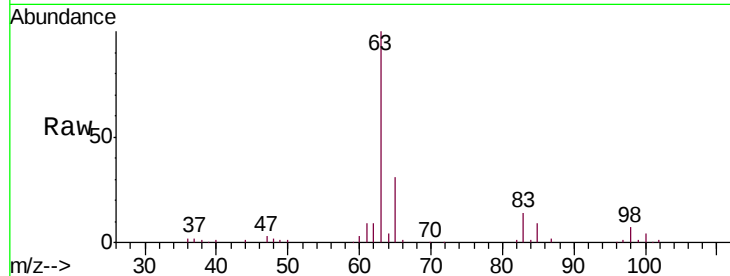




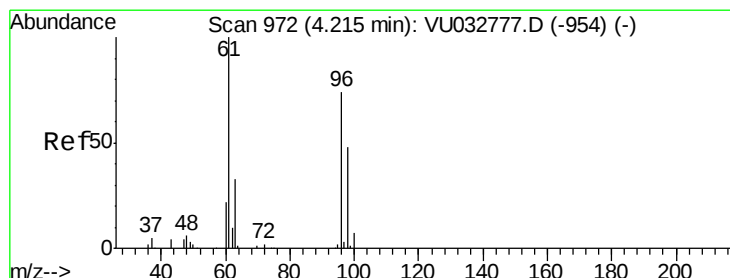
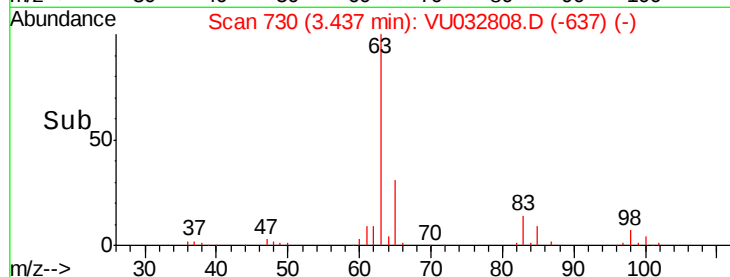
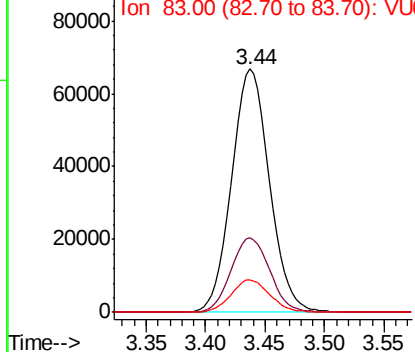
#19
 1,1-Dichloroethane
 Concen: 49.156 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU032808.D
 Acq: 18 Jun 2019 08:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion: 63 Resp: 147295
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.0 41.0
 83 13.5 9.5 17.7

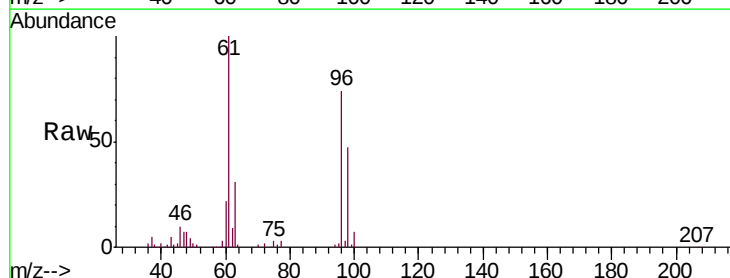


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

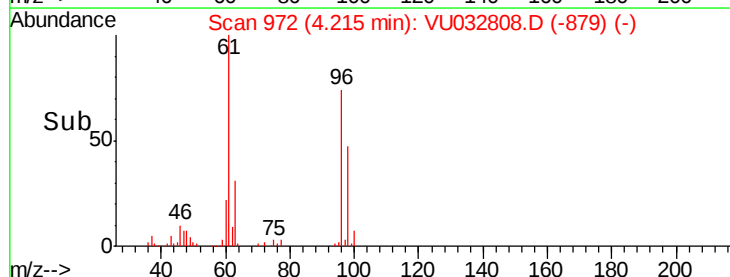
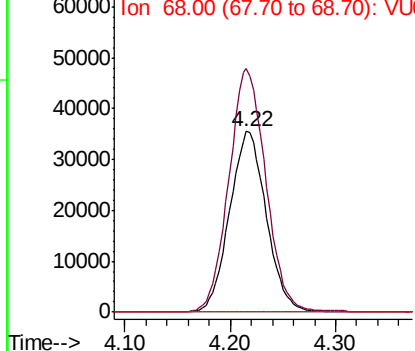


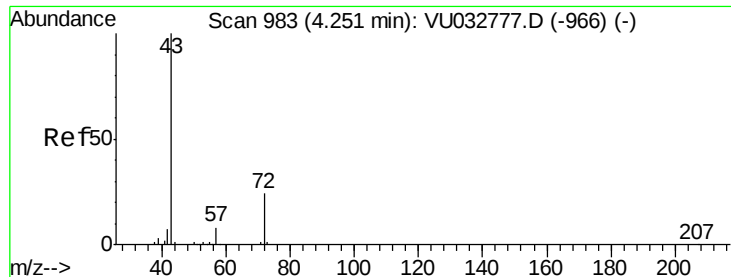
#20
 cis-1,2-Dichloroethene
 Concen: 50.117 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU032808.D
 Acq: 18 Jun 2019 08:50

Tgt Ion: 96 Resp: 85813
 Ion Ratio Lower Upper
 96 100
 61 134.7 92.4 171.6
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 89.575 ug/L

RT: 4.25 min Scan# 983

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

Instrument :

MSVOA_U

ClientSampleId :

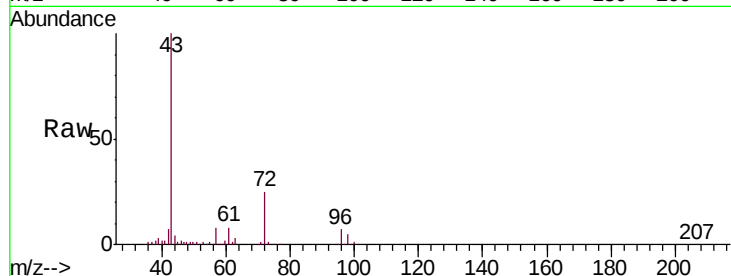
VSTD05053

Tgt Ion: 43 Resp: 167889

Ion Ratio Lower Upper

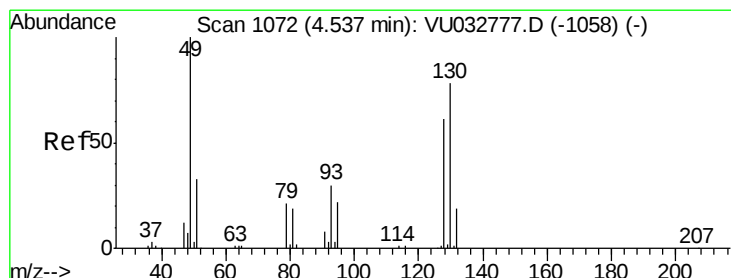
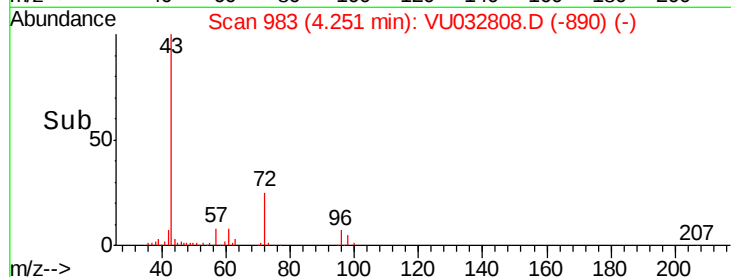
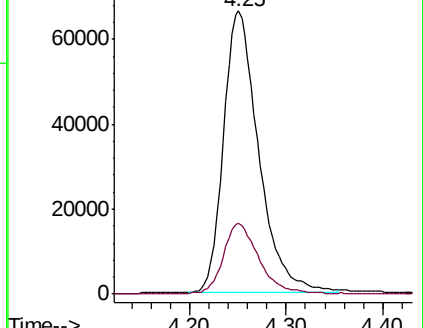
43 100

72 25.8 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU032777.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU032777.D (-966) (-)



#23

Bromochloromethane

Concen: 50.292 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

Tgt Ion: 128 Resp: 44923

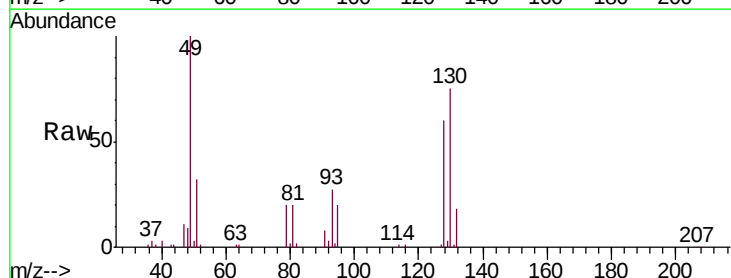
Ion Ratio Lower Upper

128 100

49 166.3 114.7 212.9

130 124.9 89.4 166.0

51 52.5 42.0 63.0

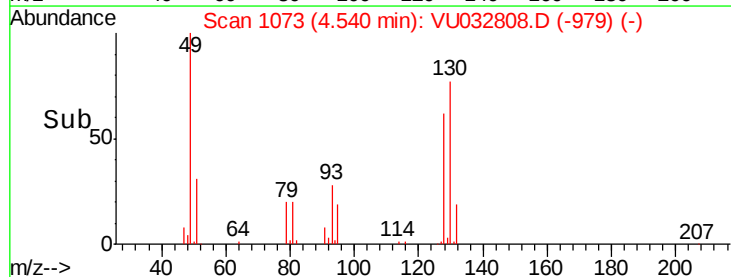
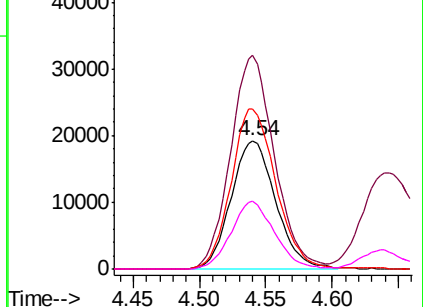


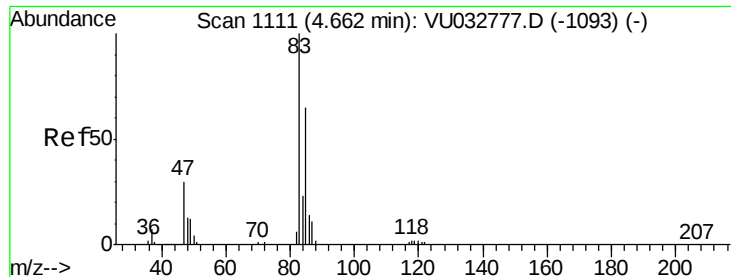
Abundance Ion 128.00 (127.70 to 128.70): VU032777.D (-1058) (-)

Ion 49.00 (48.70 to 49.70): VU032777.D (-1058) (-)

Ion 130.00 (129.70 to 130.70): VU032777.D (-1058) (-)

Ion 51.00 (50.70 to 51.70): VU032777.D (-1058) (-)

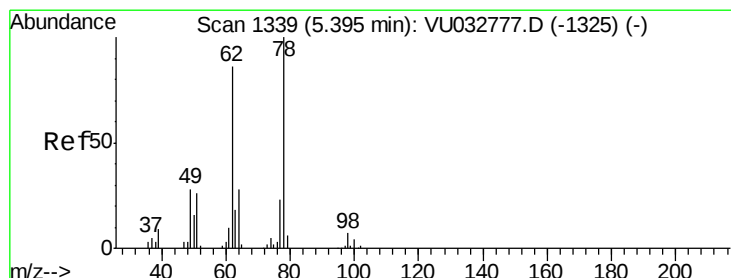
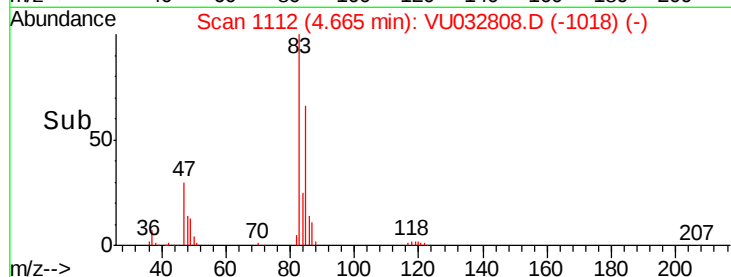
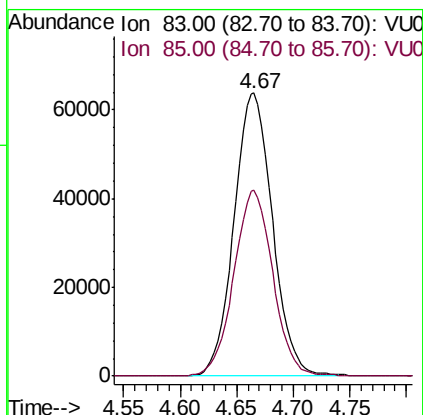
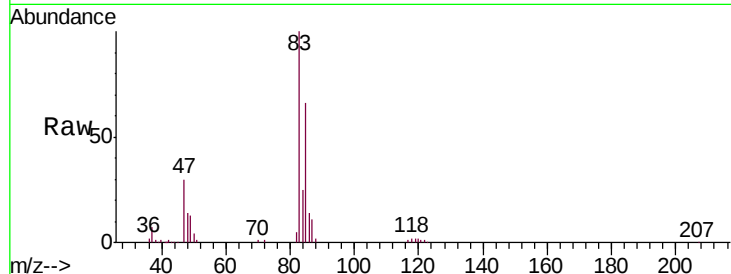




#25
Chloroform
Concen: 48.948 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032808.D
Acq: 18 Jun 2019 08:50

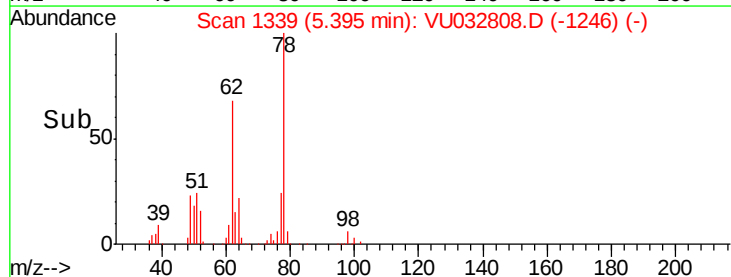
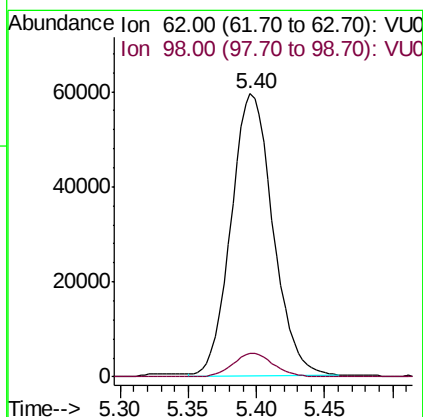
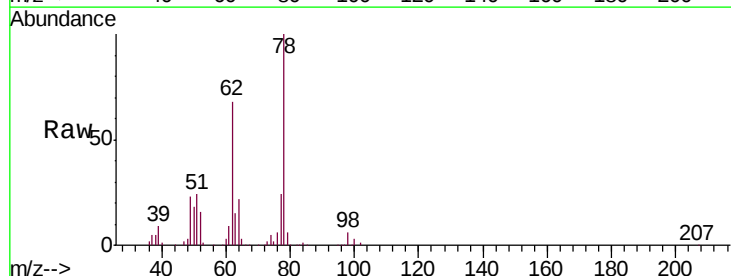
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

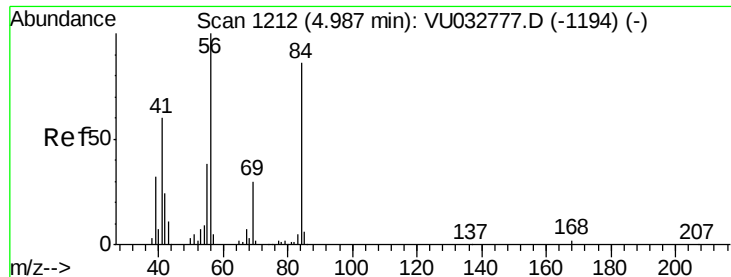
Tgt Ion: 83 Resp: 151256
Ion Ratio Lower Upper
83 100
85 65.8 44.2 82.2



#27
1,2-Dichloroethane
Concen: 49.668 ug/L
RT: 5.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VU032808.D
Acq: 18 Jun 2019 08:50

Tgt Ion: 62 Resp: 126086
Ion Ratio Lower Upper
62 100
98 8.2 6.6 10.0

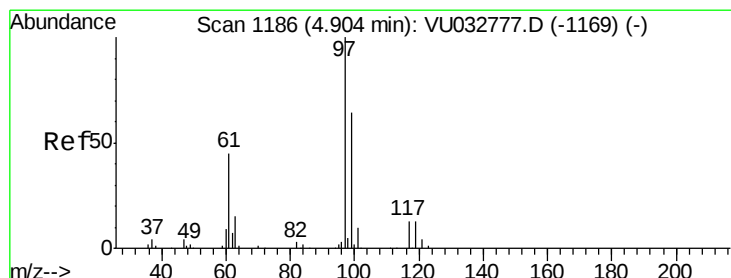
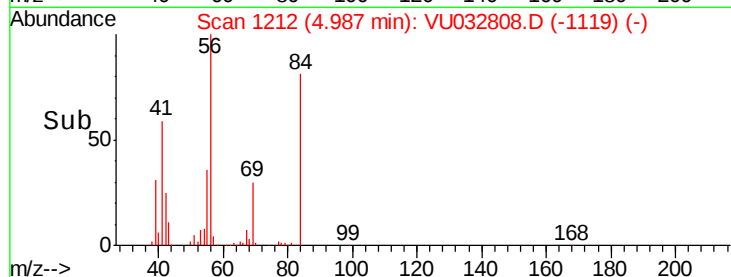
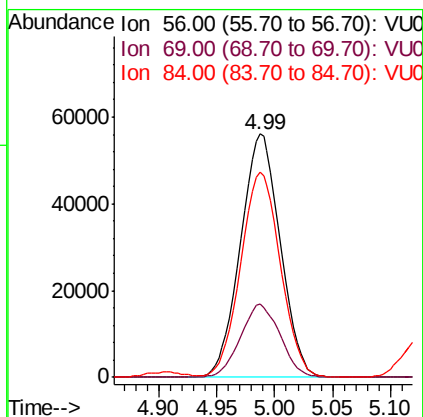
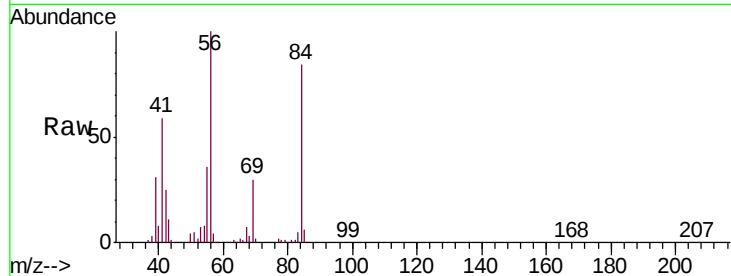




#29
Cyclohexane
Concen: 51.291 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU032808.D
Acq: 18 Jun 2019 08:50

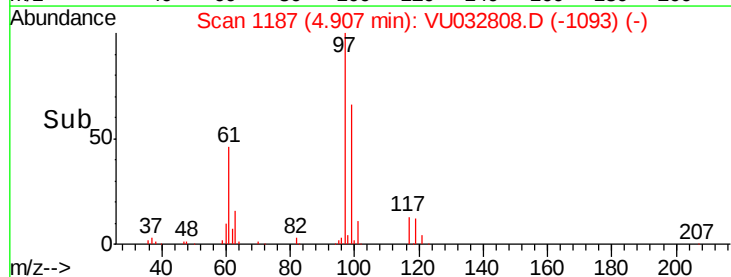
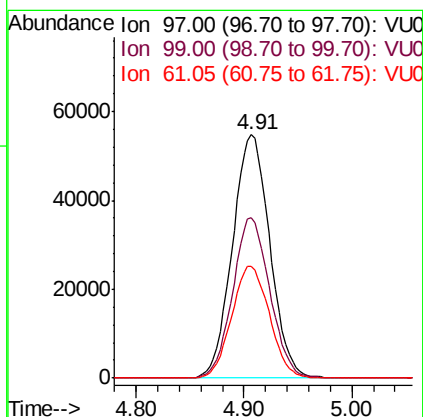
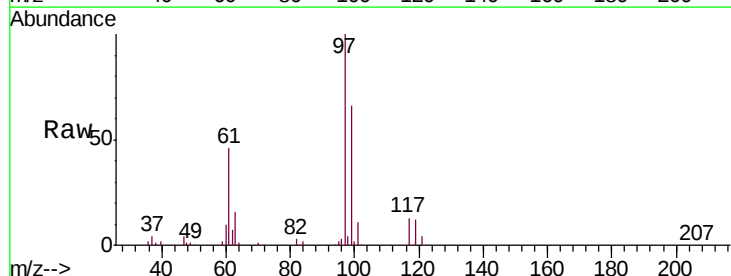
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

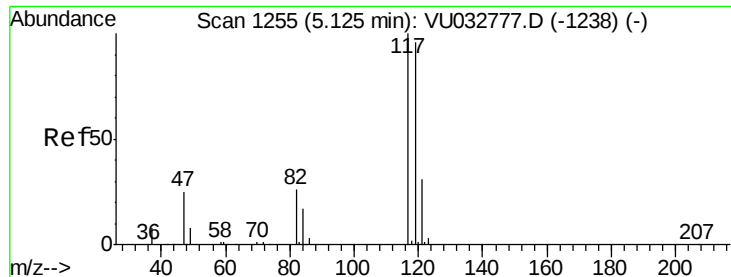
Tgt Ion: 56 Resp: 133548
Ion Ratio Lower Upper
56 100
69 29.9 24.2 36.4
84 84.6 68.0 102.0



#30
1,1,1-Trichloroethane
Concen: 48.730 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU032808.D
Acq: 18 Jun 2019 08:50

Tgt Ion: 97 Resp: 132387
Ion Ratio Lower Upper
97 100
99 65.3 50.7 76.1
61 46.5 36.7 55.1





#31

Carbon tetrachloride

Concen: 48.659 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

Instrument :

MSVOA_U

ClientSampleId :

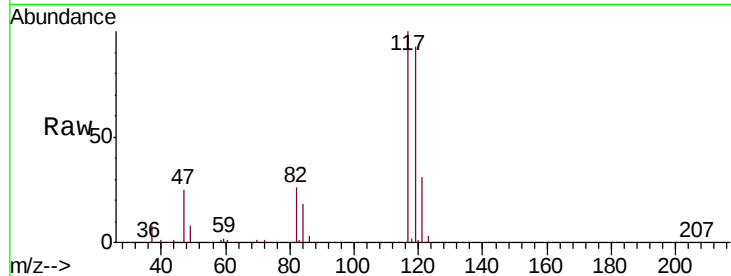
VSTD05053

Tgt Ion:117 Resp: 120281

Ion Ratio Lower Upper

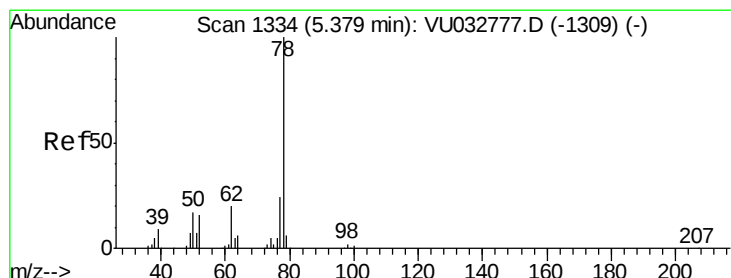
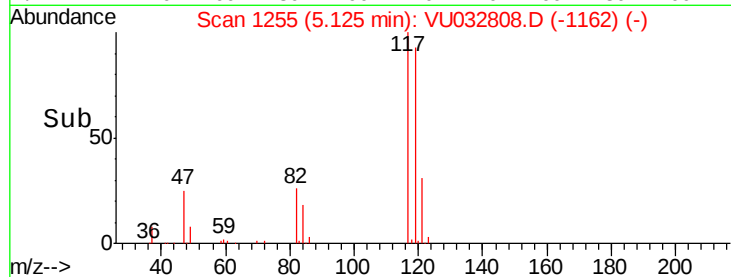
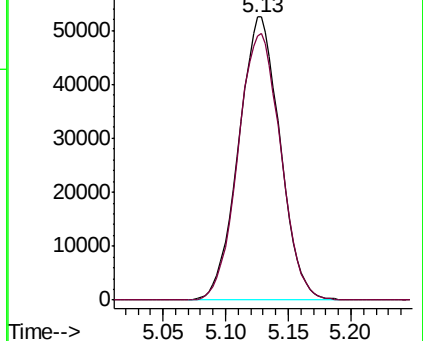
117 100

119 96.9 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.633 ug/L

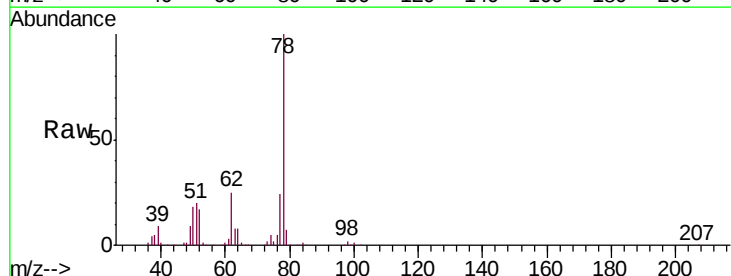
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

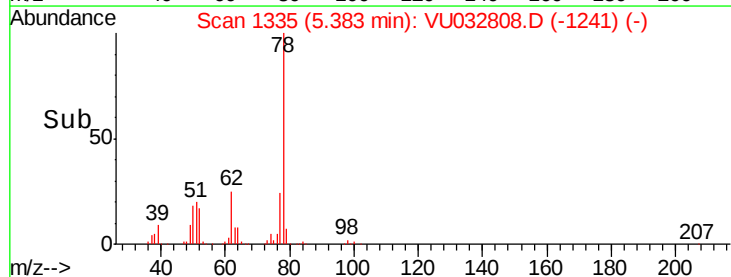
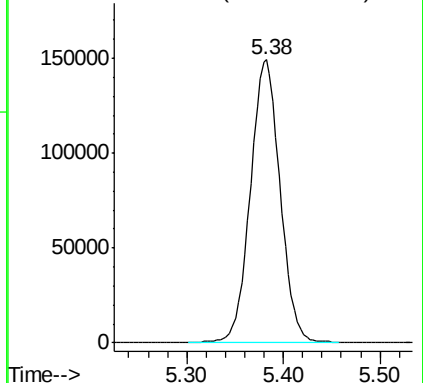
Lab File: VU032808.D

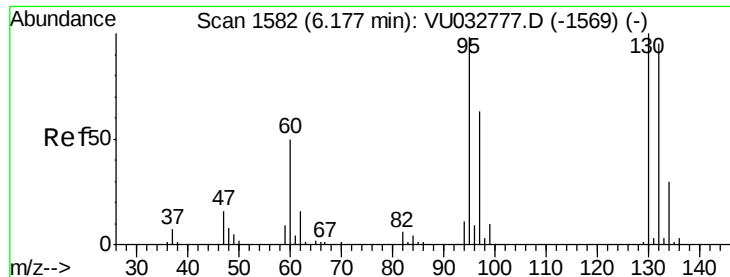
Acq: 18 Jun 2019 08:50

Tgt Ion: 78 Resp: 318830



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 49.478 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

Tgt Ion: 95 Resp: 84921

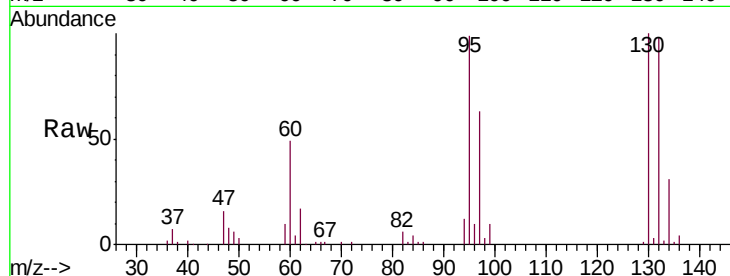
Ion Ratio Lower Upper

95 100

97 63.6 45.9 85.3

132 98.9 68.5 127.3

130 100.7 70.8 131.4

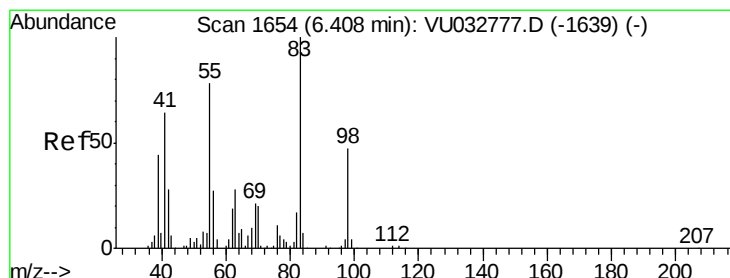
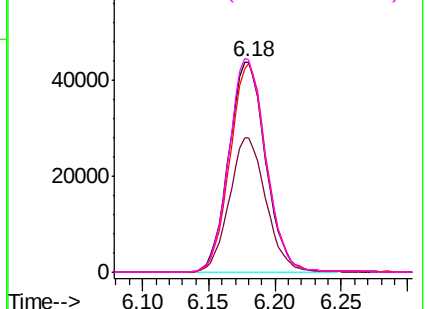
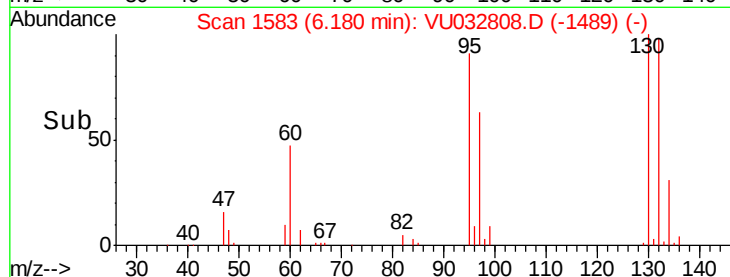


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 53.360 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

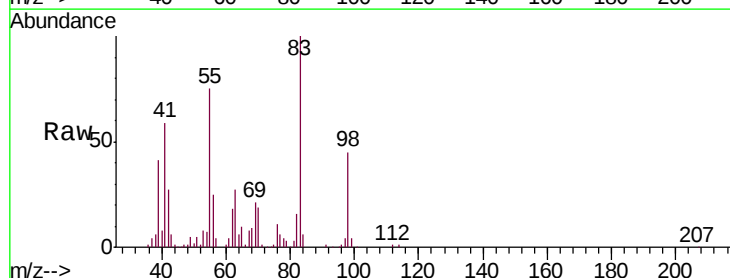
Tgt Ion: 83 Resp: 141565

Ion Ratio Lower Upper

83 100

55 76.1 62.6 94.0

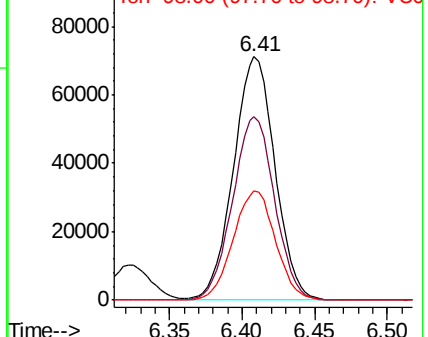
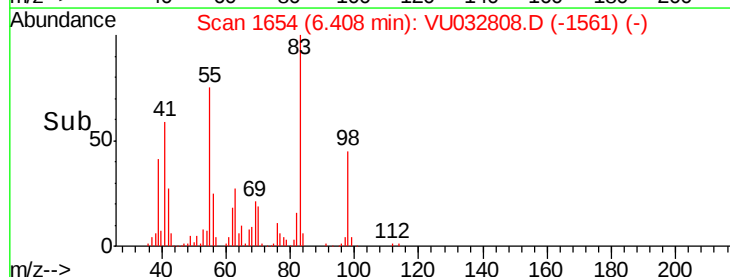
98 45.7 37.4 56.0

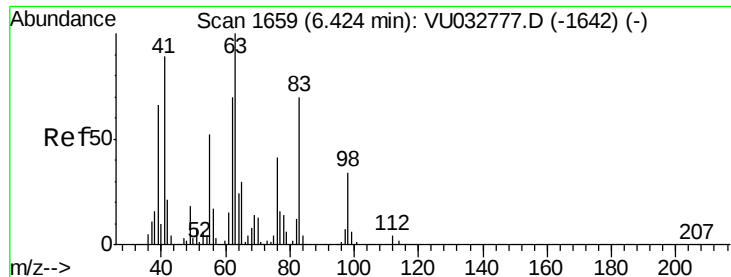


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 49.694 ug/L

RT: 6.42 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

Instrument :

MSVOA_U

ClientSampleId :

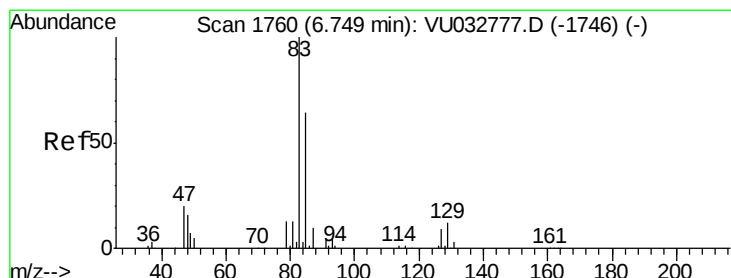
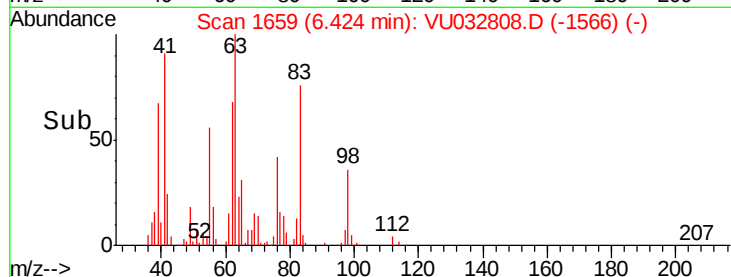
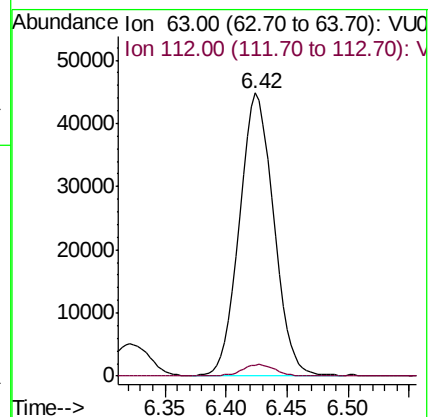
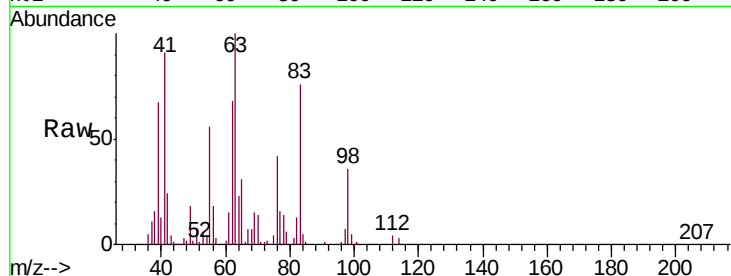
VSTD05053

Tgt Ion: 63 Resp: 87565

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.6



#38

Bromodichloromethane

Concen: 48.284 ug/L

RT: 6.75 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

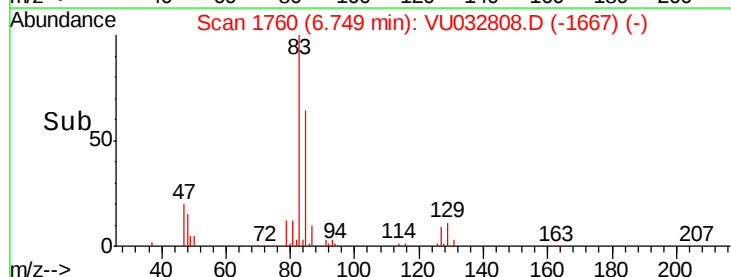
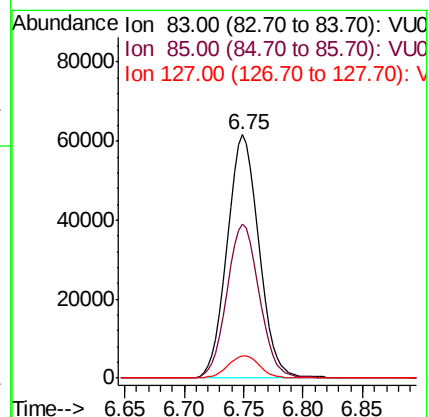
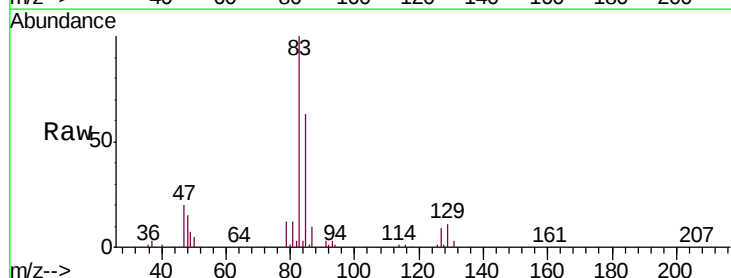
Tgt Ion: 83 Resp: 114404

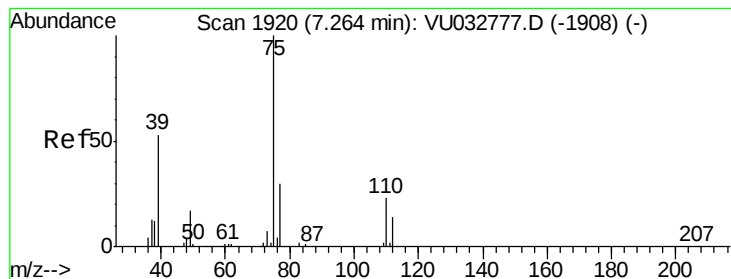
Ion Ratio Lower Upper

83 100

85 63.3 45.0 83.6

127 9.1 7.0 10.6



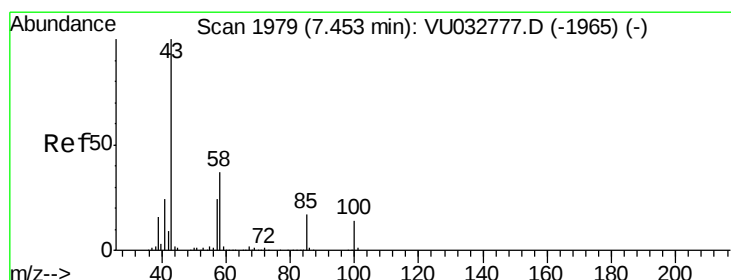
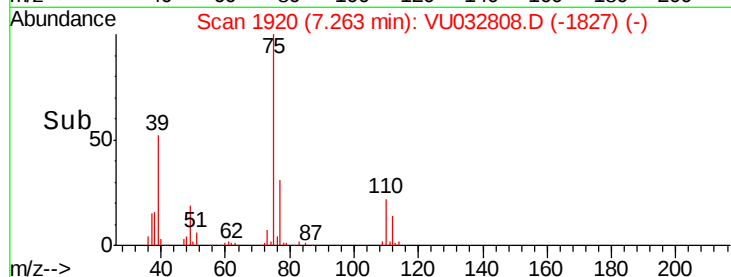
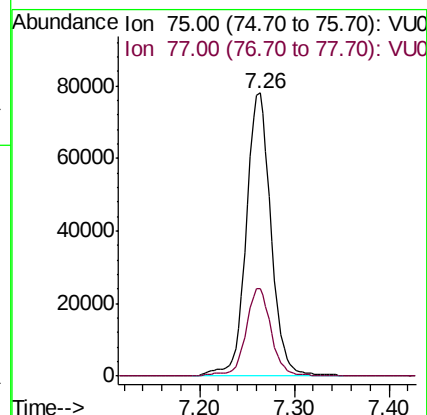
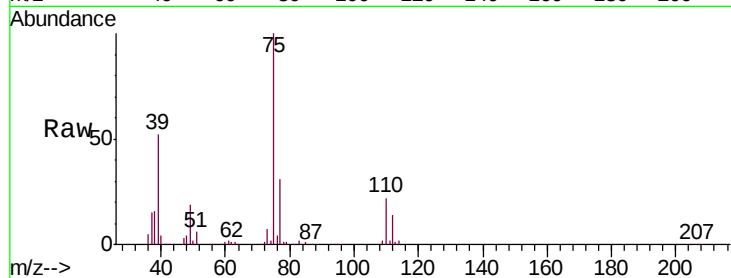


#39

cis-1,3-Dichloropropene
 Concen: 51.851 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032808.D
 Acq: 18 Jun 2019 08:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

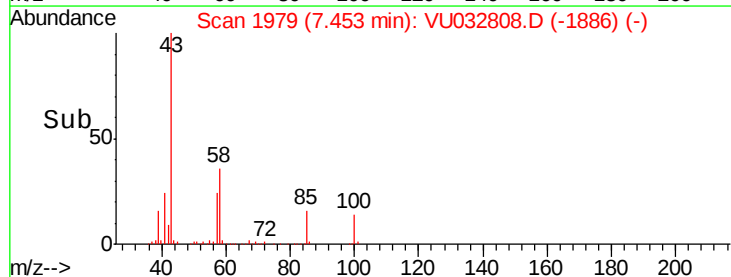
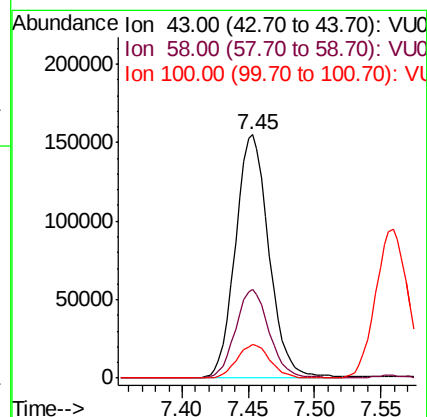
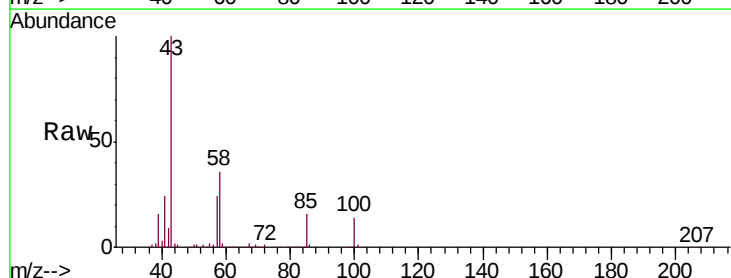
Tgt Ion: 75 Resp: 142345
 Ion Ratio Lower Upper
 75 100
 77 30.9 21.9 40.7

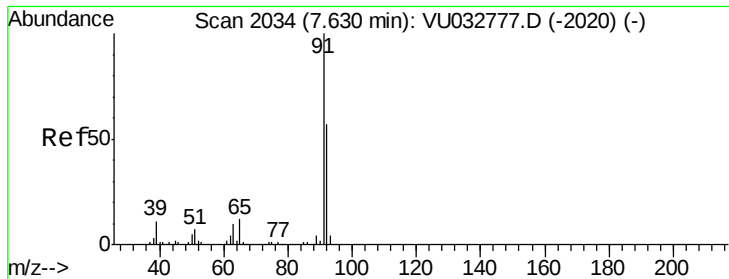


#40

4-Methyl-2-pentanone
 Concen: 96.901 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VU032808.D
 Acq: 18 Jun 2019 08:50

Tgt Ion: 43 Resp: 272604
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.4 44.2
 100 13.8 11.2 16.8





#42

Toluene

Concen: 50.310 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

Instrument :

MSVOA_U

ClientSampleId :

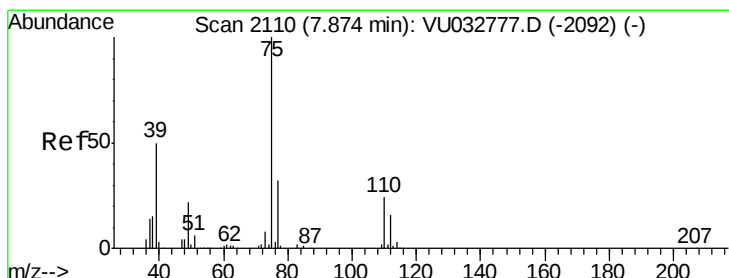
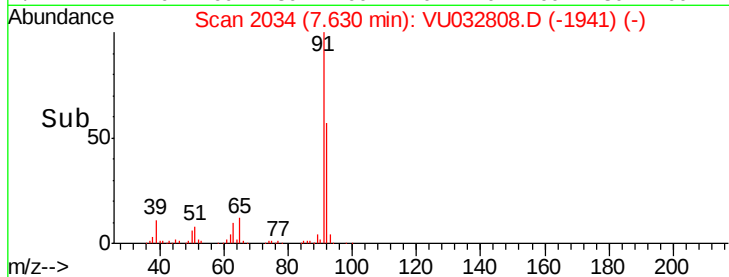
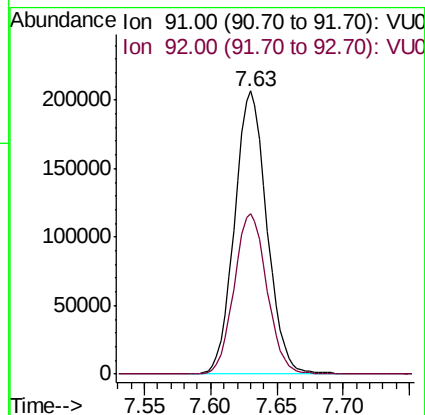
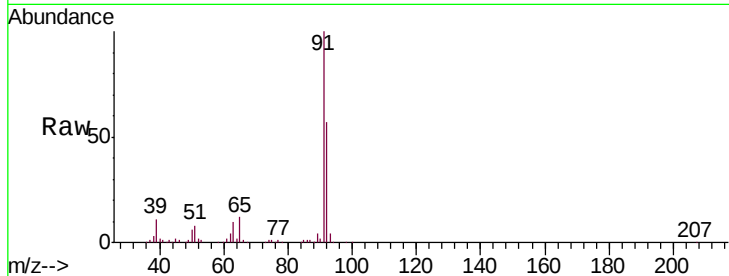
VSTD05053

Tgt Ion: 91 Resp: 349665

Ion Ratio Lower Upper

91 100

92 56.6 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 50.268 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032808.D

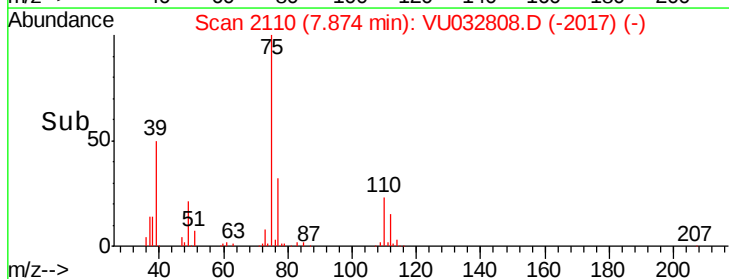
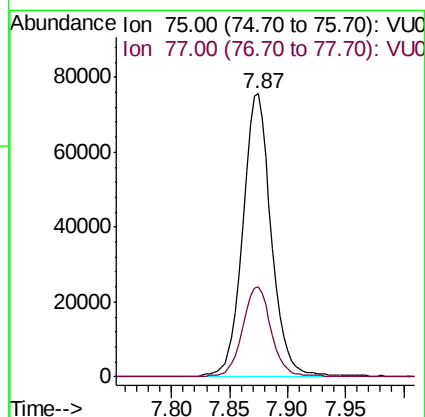
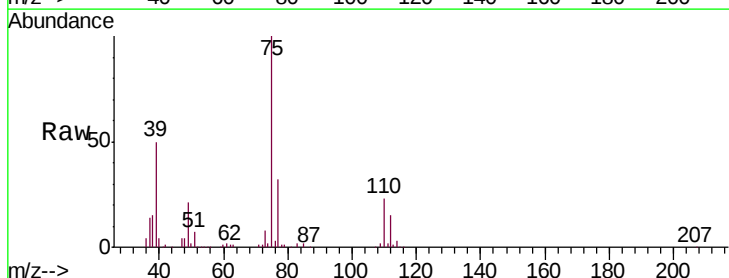
Acq: 18 Jun 2019 08:50

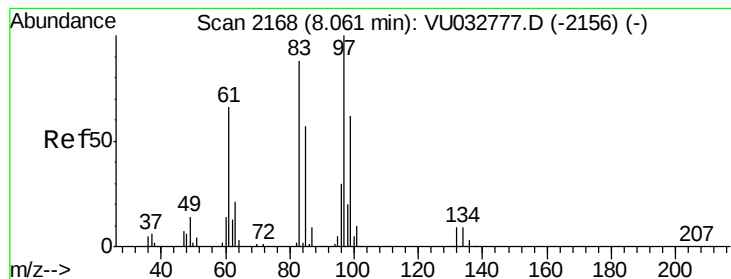
Tgt Ion: 75 Resp: 129618

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 49.542 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

Tgt Ion: 97 Resp: 81254

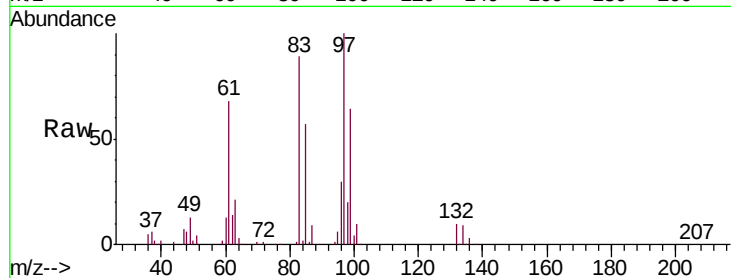
Ion Ratio Lower Upper

97 100

99 63.6 43.1 80.1

83 88.6 61.4 114.0

85 57.2 39.2 72.8

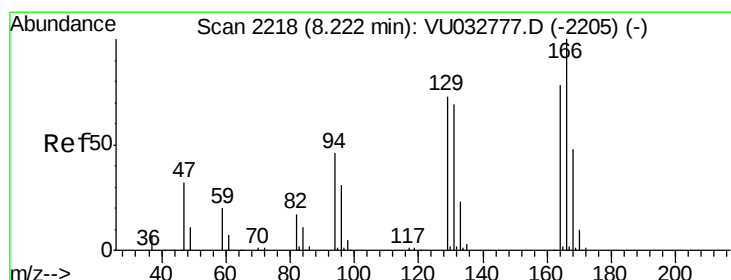
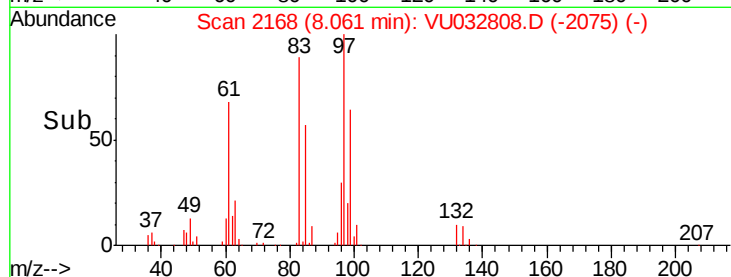
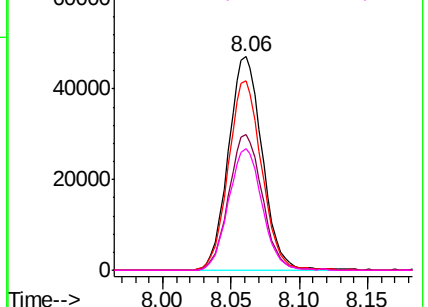


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 51.051 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

Tgt Ion: 164 Resp: 71799

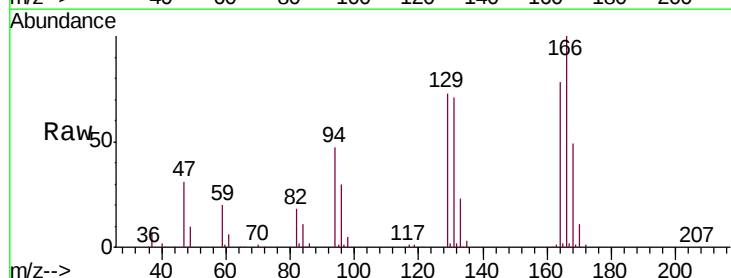
Ion Ratio Lower Upper

164 100

129 93.9 64.8 120.3

131 91.5 64.5 119.7

166 129.0 91.3 169.6

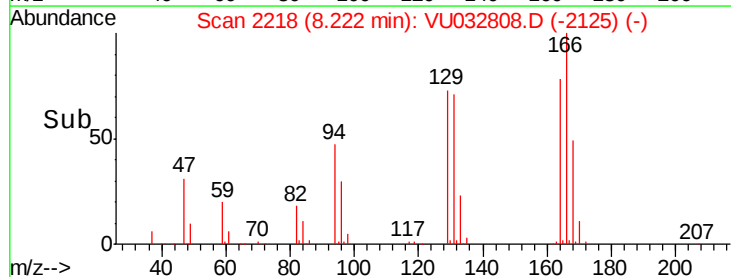
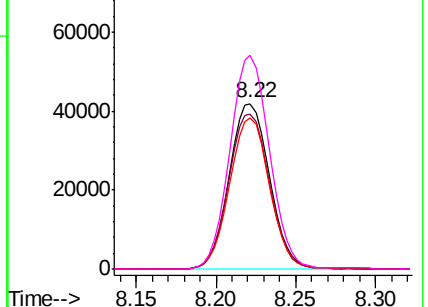


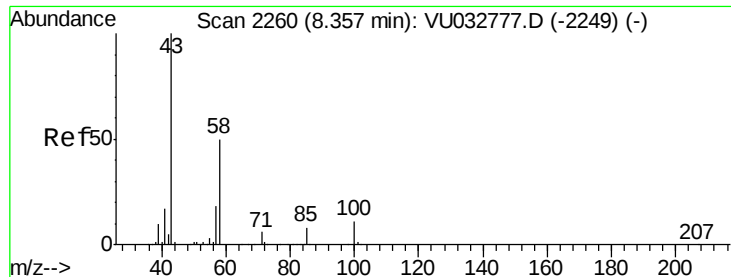
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

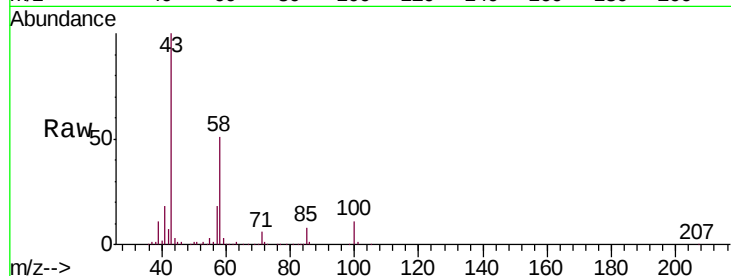




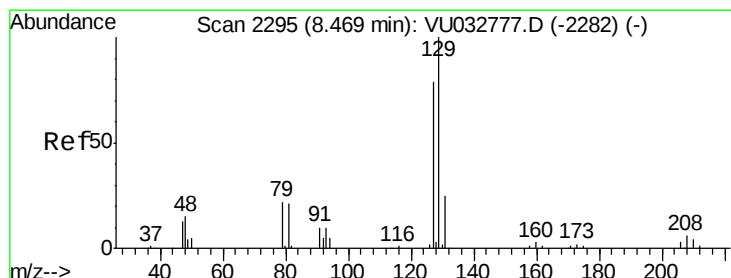
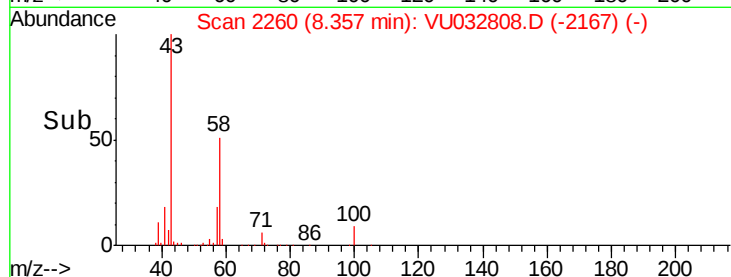
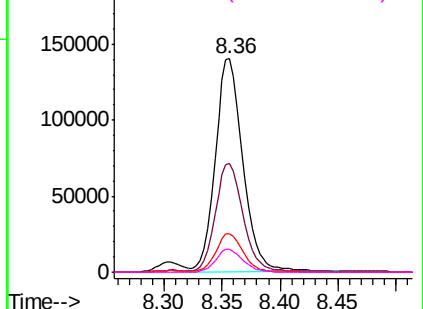
#48
2-Hexanone
Concen: 93.320 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VU032808.D
Acq: 18 Jun 2019 08:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Tgt Ion:	43	Resp:	231632
Ion	Ratio	Lower	Upper
43	100		
58	51.3	40.2	60.2
57	17.5	14.2	21.4
100	10.7	8.4	12.6

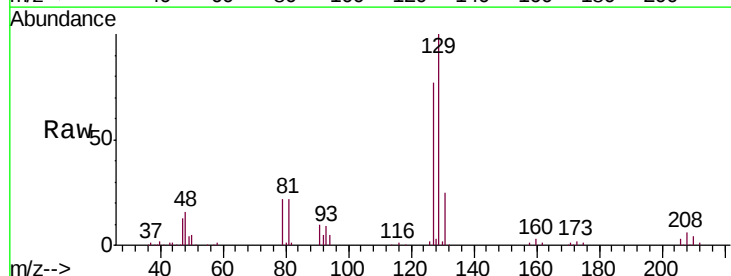


Abundance Ion 43.00 (42.70 to 43.70): VU032777.D (-2249) (-)
Ion 58.00 (57.70 to 58.70): VU032777.D (-2249) (-)
Ion 57.00 (56.70 to 57.70): VU032777.D (-2249) (-)
Ion 100.00 (99.70 to 100.70): VU032777.D (-2249) (-)

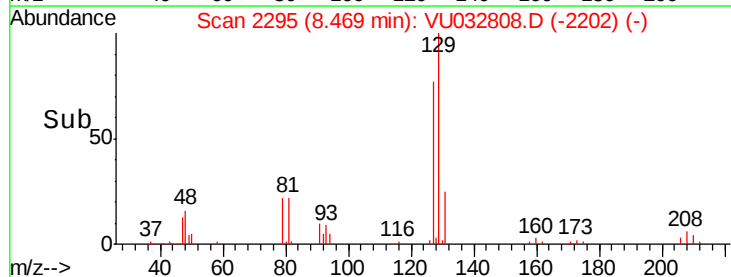
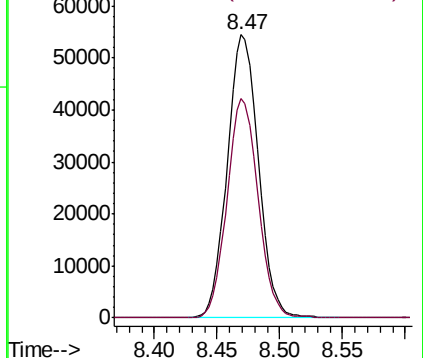


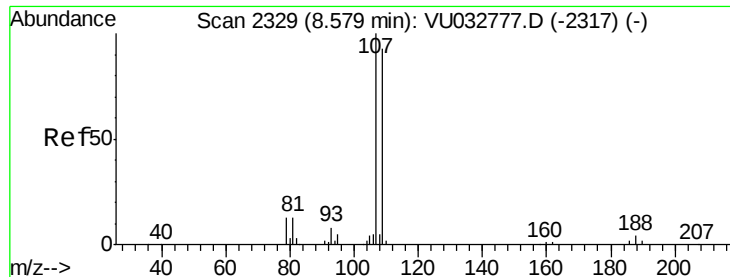
#49
Dibromochloromethane
Concen: 47.563 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU032808.D
Acq: 18 Jun 2019 08:50

Tgt Ion:	129	Resp:	94041
Ion	Ratio	Lower	Upper
129	100		
127	77.5	52.3	97.1



Abundance Ion 129.00 (128.70 to 129.70): VU032777.D (-2282) (-)
Ion 127.00 (126.70 to 127.70): VU032777.D (-2282) (-)





#50

1,2-Dibromoethane

Concen: 49.936 ug/L

RT: 8.58 min Scan# 2329

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

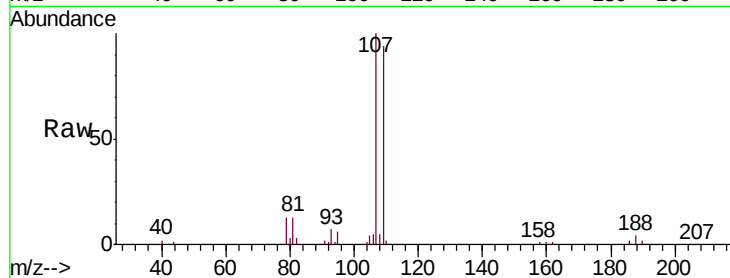
Tgt Ion:107 Resp: 90954

Ion Ratio Lower Upper

107 100

109 93.9 65.4 121.4

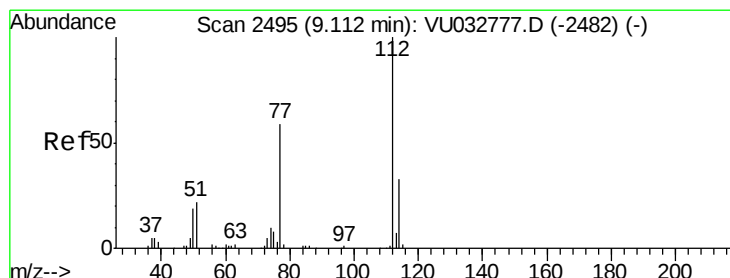
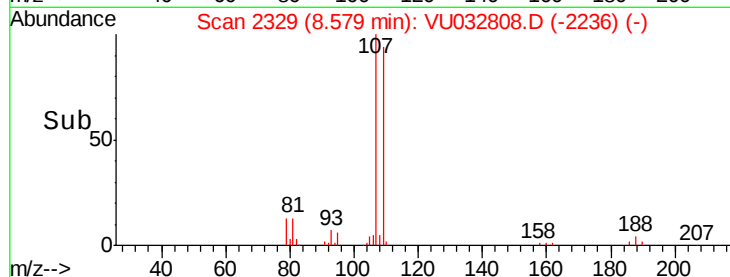
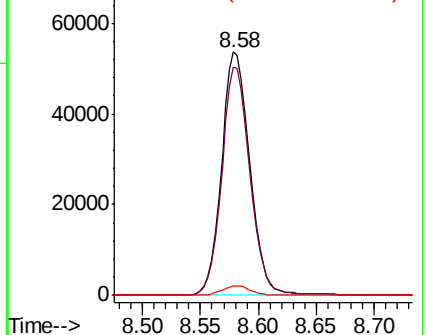
188 3.8 3.1 4.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 49.633 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

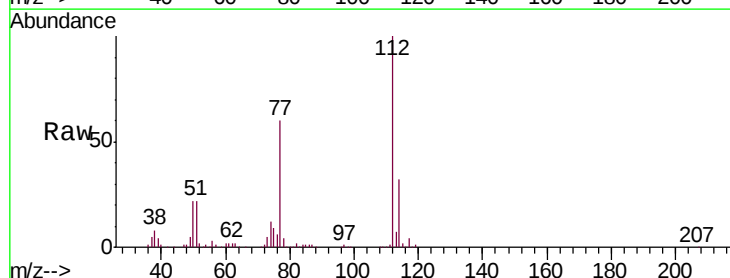
Tgt Ion:112 Resp: 227000

Ion Ratio Lower Upper

112 100

114 31.7 22.8 42.4

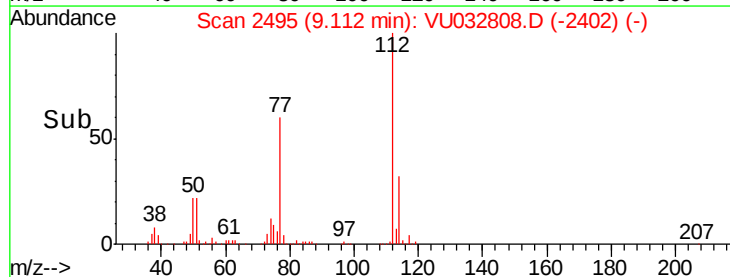
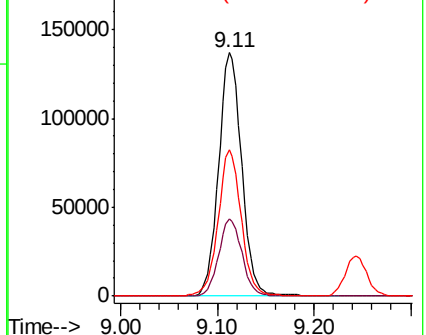
77 60.0 46.3 69.5

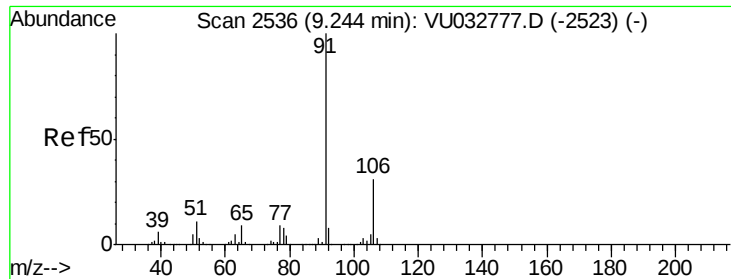


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 51.358 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

Instrument :

MSVOA_U

ClientSampleId :

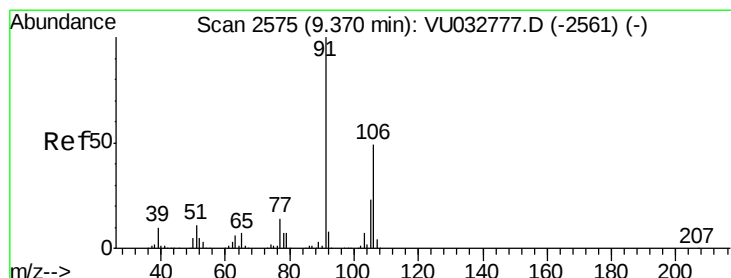
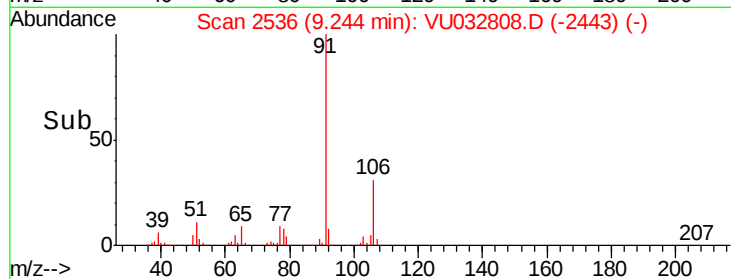
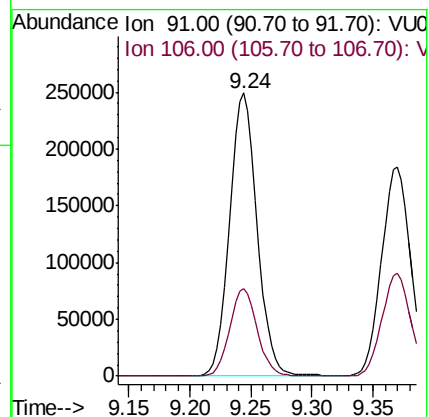
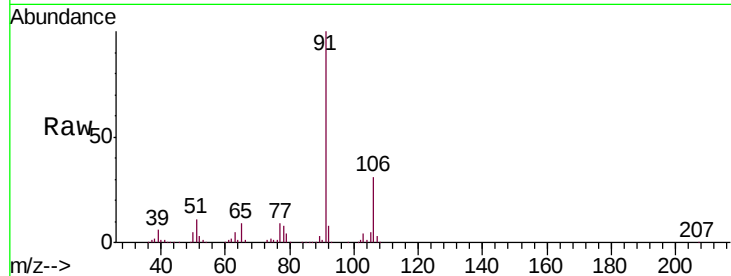
VSTD05053

Tgt Ion: 91 Resp: 395105

Ion Ratio Lower Upper

91 100

106 31.0 21.8 40.4



#53

m,p-Xylene

Concen: 50.784 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032808.D

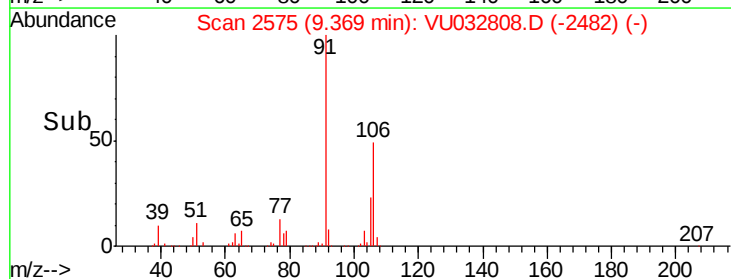
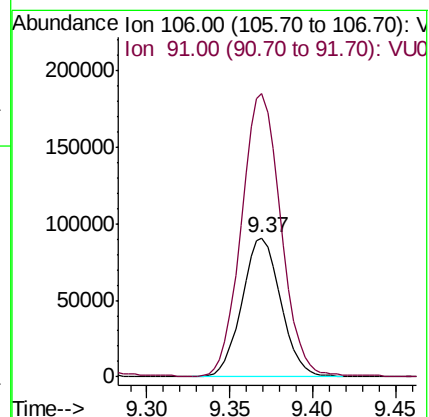
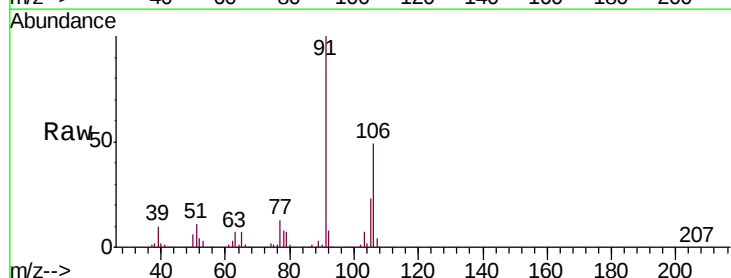
Acq: 18 Jun 2019 08:50

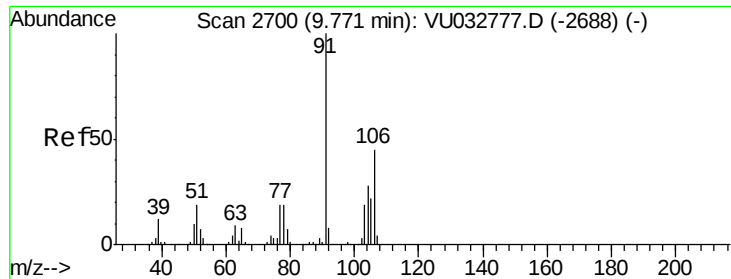
Tgt Ion: 106 Resp: 147406

Ion Ratio Lower Upper

106 100

91 203.2 142.9 265.5

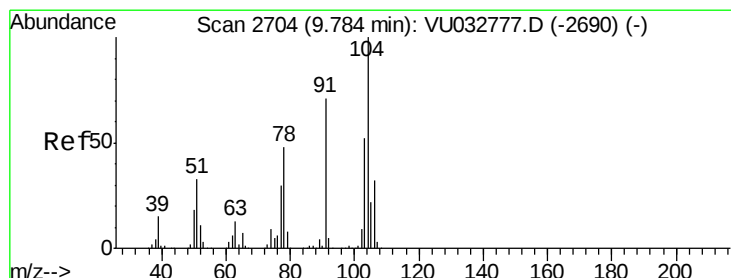
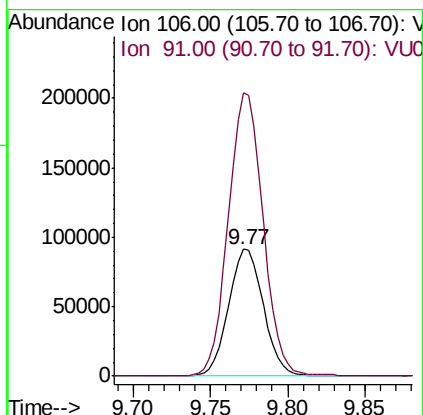
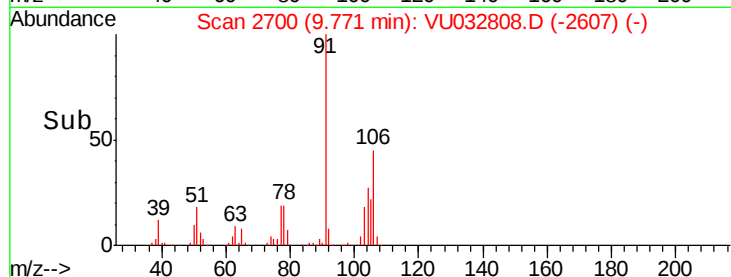
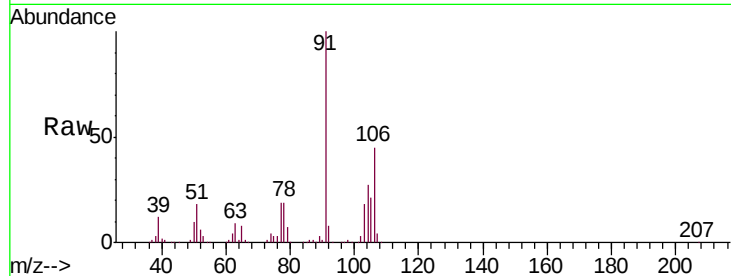




#54
o-xylene
Concen: 50.432 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU032808.D
Acq: 18 Jun 2019 08:50

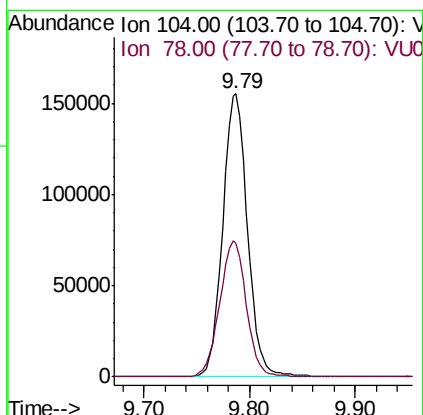
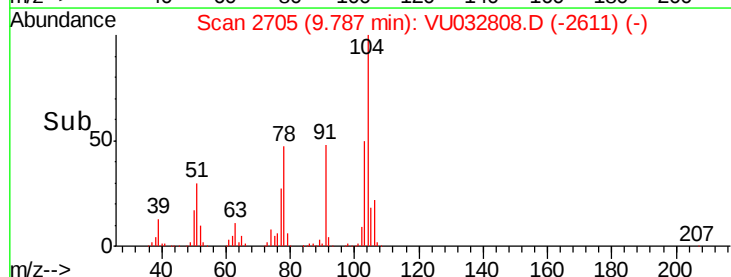
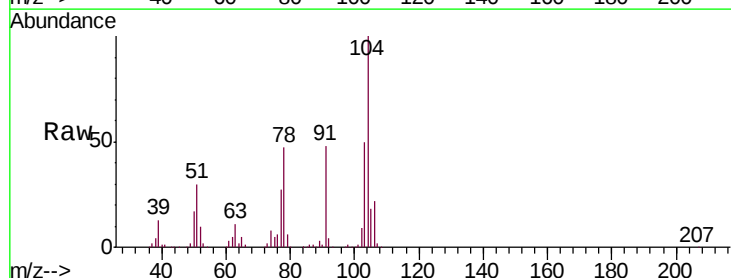
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

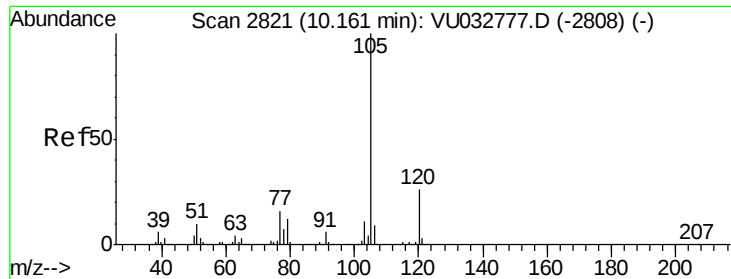
Tgt Ion:106 Resp: 142955
Ion Ratio Lower Upper
106 100
91 223.2 152.9 284.1



#55
Styrene
Concen: 51.200 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU032808.D
Acq: 18 Jun 2019 08:50

Tgt Ion:104 Resp: 251775
Ion Ratio Lower Upper
104 100
78 47.1 32.1 59.5





#56

Isopropylbenzene

Concen: 51.674 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

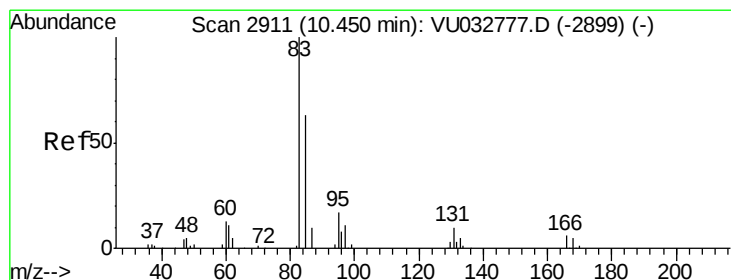
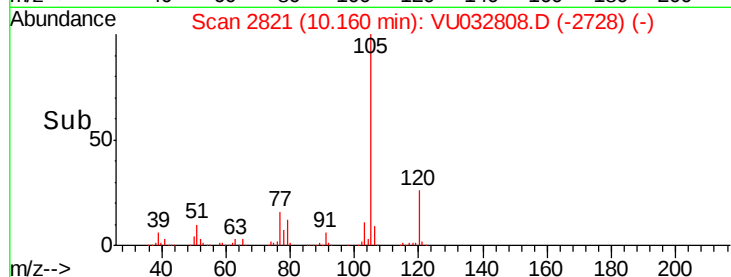
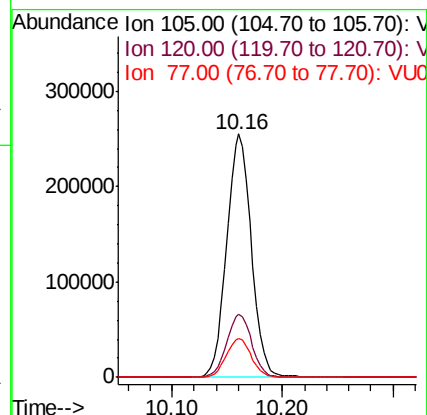
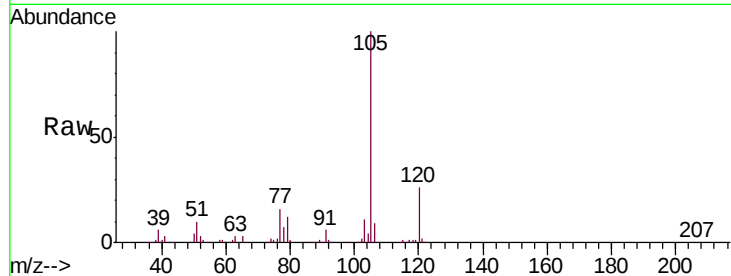
Tgt Ion:105 Resp: 394747

Ion Ratio Lower Upper

105 100

120 26.3 21.4 32.0

77 16.4 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 47.494 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

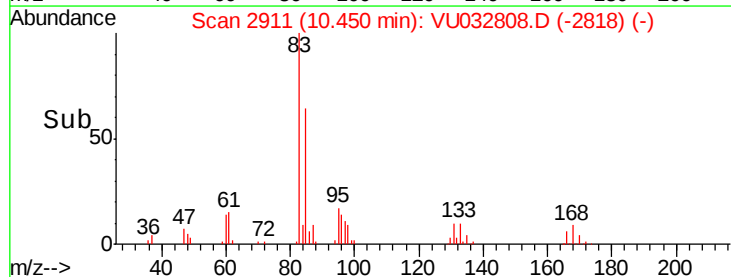
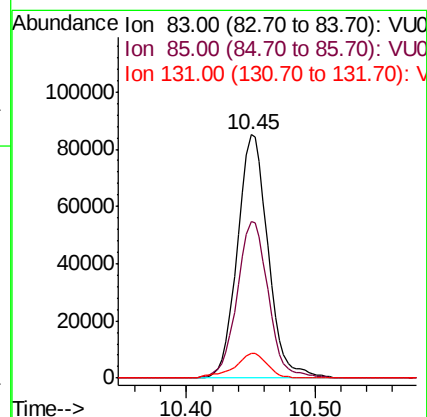
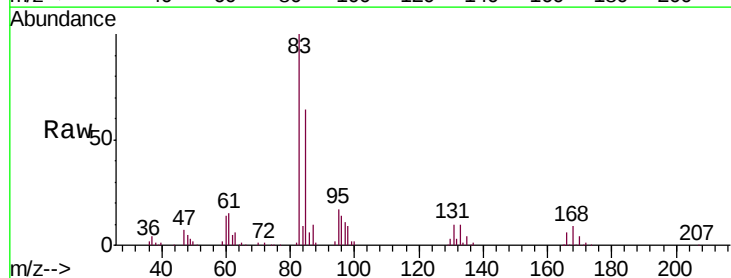
Tgt Ion: 83 Resp: 140950

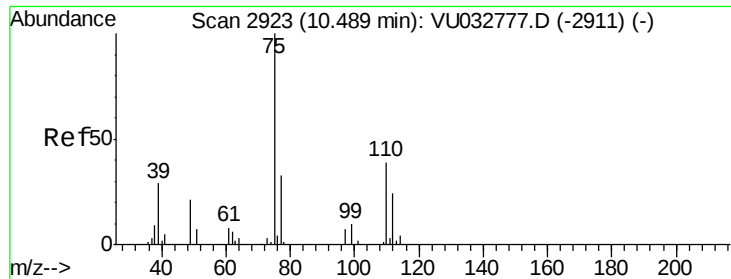
Ion Ratio Lower Upper

83 100

85 64.2 45.8 85.2

131 10.1 7.8 11.8

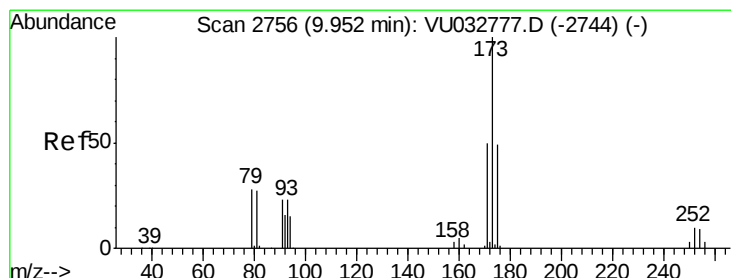
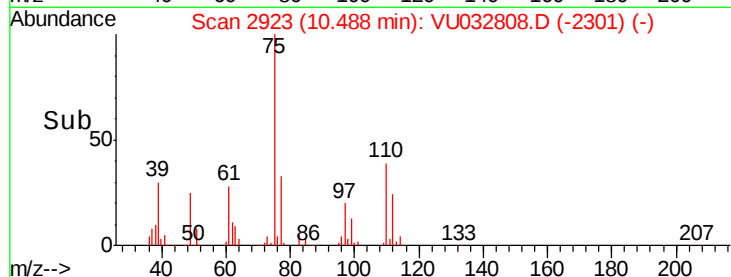
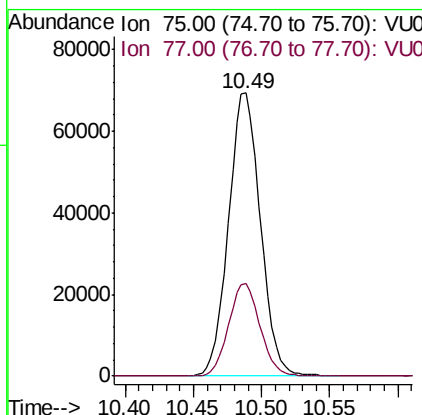
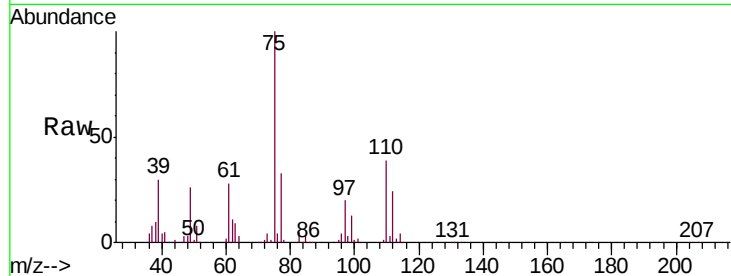




#59
 1,2,3-Trichloropropane
 Concen: 47.980 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU032808.D
 Acq: 18 Jun 2019 08:50

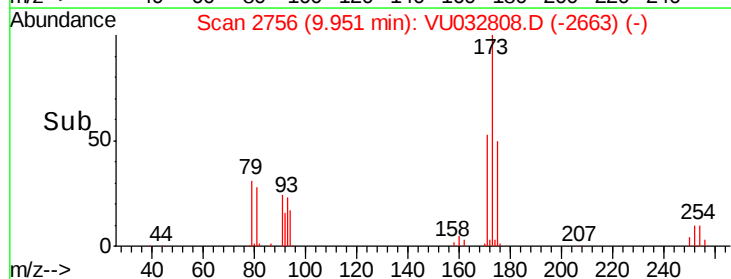
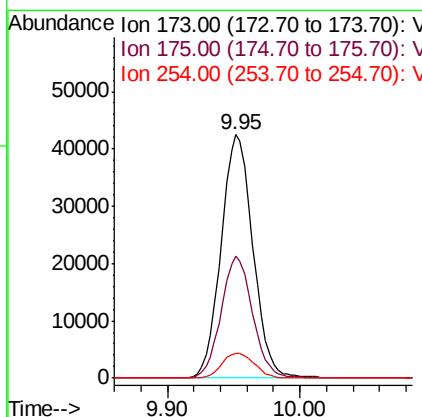
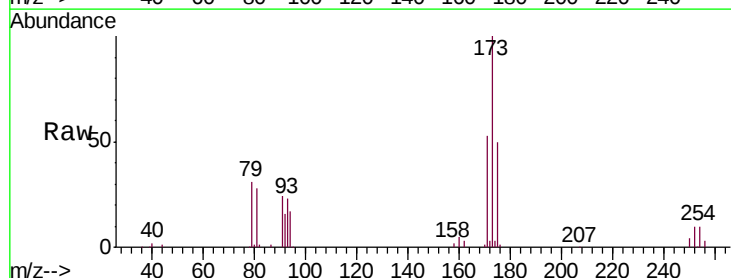
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

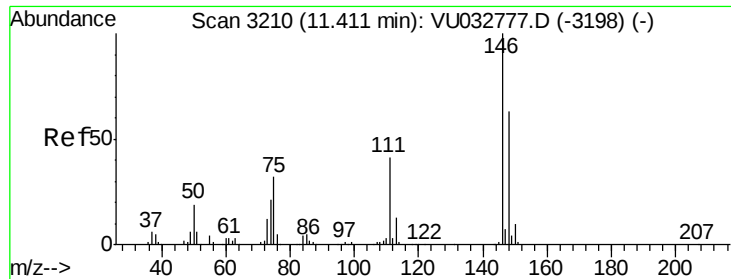
Tgt Ion: 75 Resp: 112829
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.5 38.3



#61
 Bromoform
 Concen: 44.121 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU032808.D
 Acq: 18 Jun 2019 08:50

Tgt Ion: 173 Resp: 70768
 Ion Ratio Lower Upper
 173 100
 175 49.4 39.0 58.4
 254 10.3 7.5 11.3

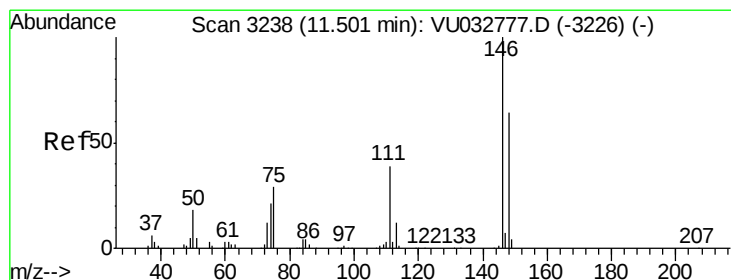
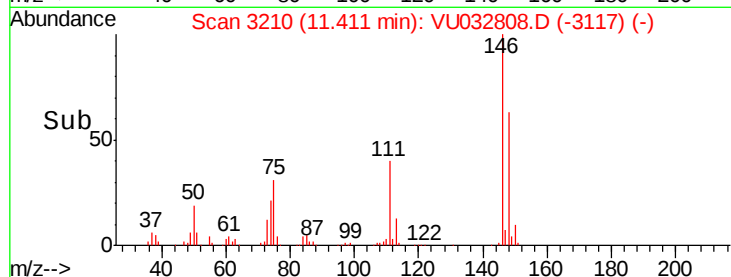
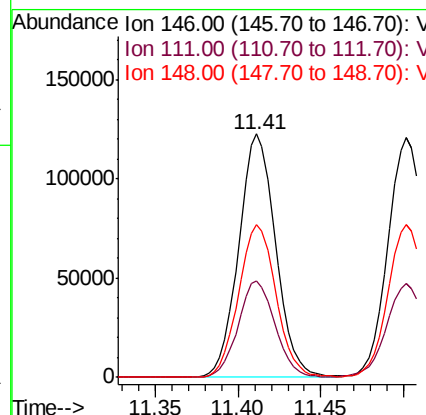
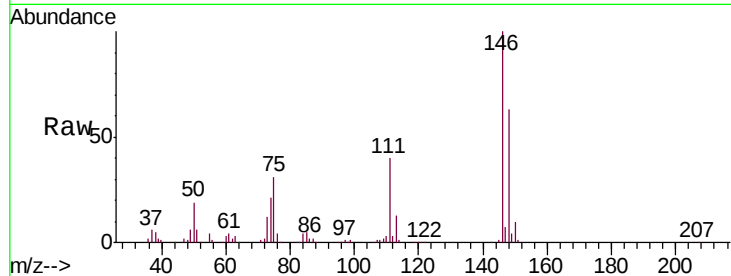




#62
 1,3-Dichlorobenzene
 Concen: 49.739 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. -0.00 min
 Lab File: VU032808.D
 Acq: 18 Jun 2019 08:50

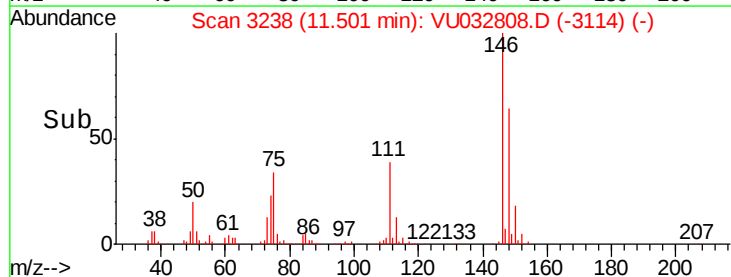
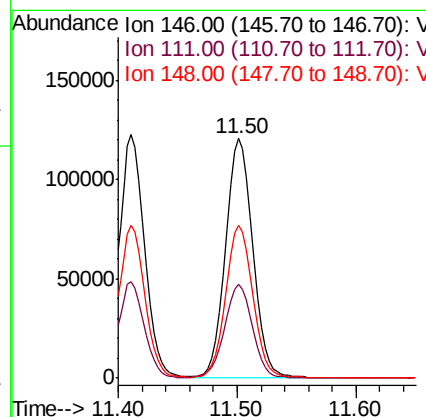
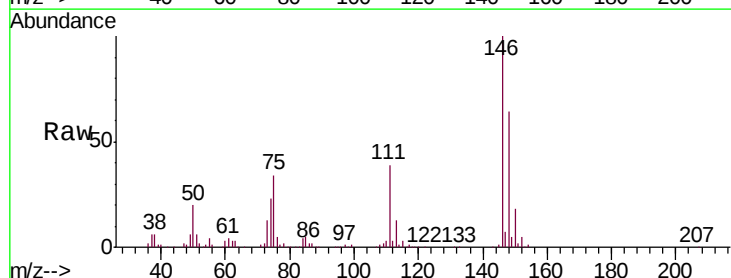
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

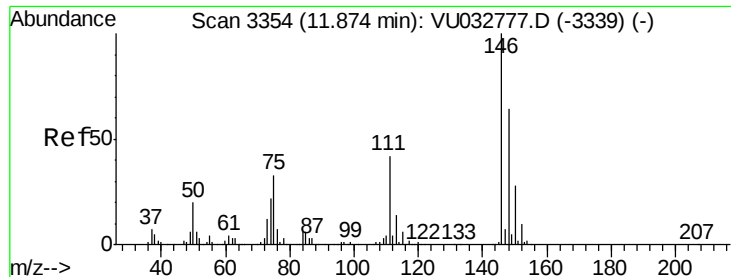
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	28.4	52.8
148	62.8	45.5	84.5



#63
 1,4-Dichlorobenzene
 Concen: 48.466 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. -0.00 min
 Lab File: VU032808.D
 Acq: 18 Jun 2019 08:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	26.9	50.1
148	63.8	44.7	83.1

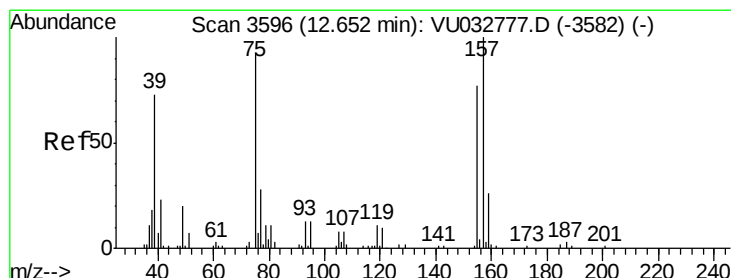
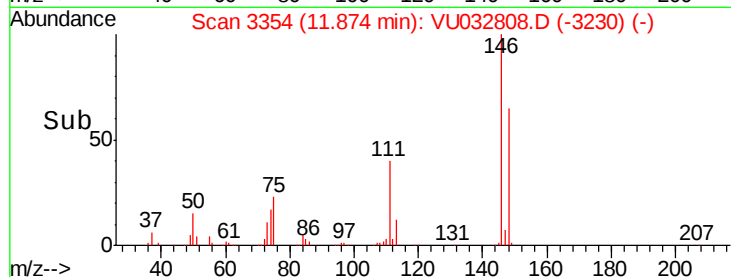
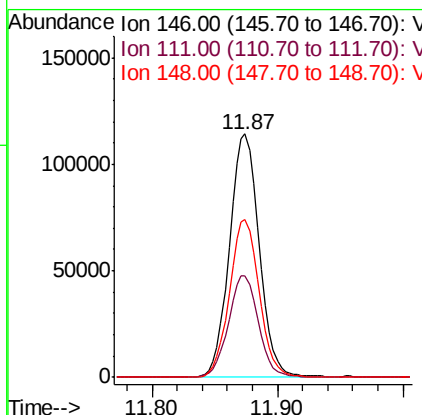
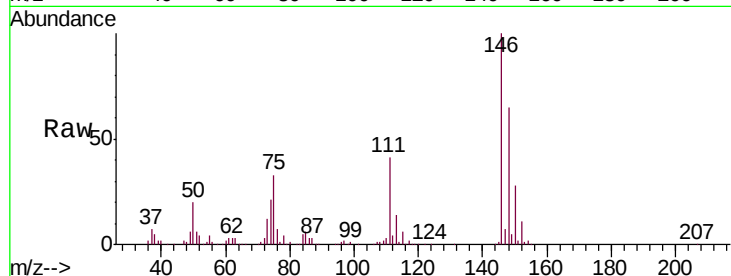




#65
 1,2-Dichlorobenzene
 Concen: 48.348 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU032808.D
 Acq: 18 Jun 2019 08:50

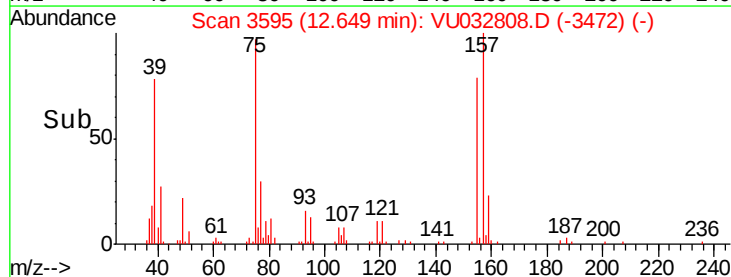
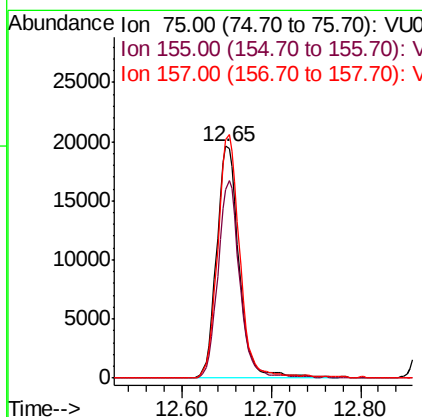
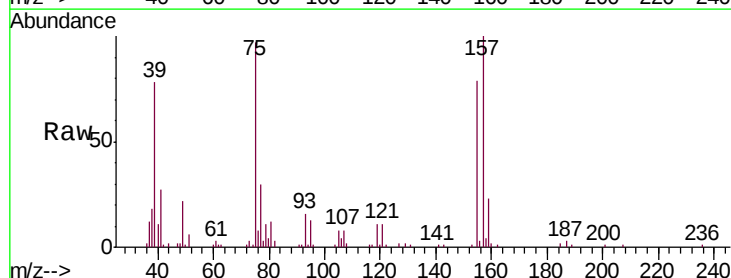
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

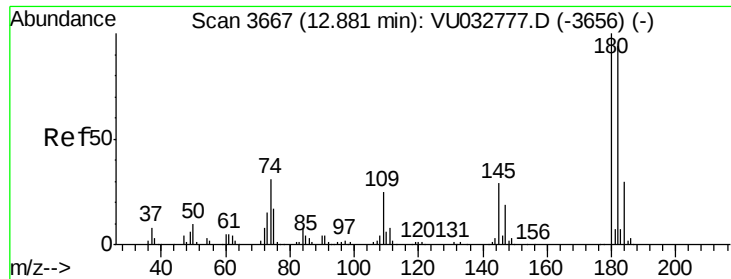
Tgt Ion: 146 Resp: 188486
 Ion Ratio Lower Upper
 146 100
 111 41.5 34.1 51.1
 148 65.0 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.064 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU032808.D
 Acq: 18 Jun 2019 08:50

Tgt Ion: 75 Resp: 34261
 Ion Ratio Lower Upper
 75 100
 155 81.7 67.4 101.2
 157 103.0 85.5 128.3

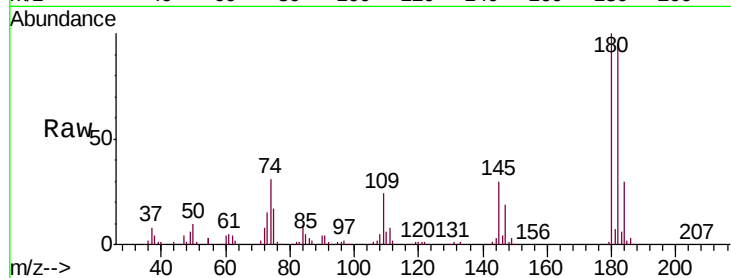




#67
 1,3,5-Trichlorobenzene
 Concen: 50.147 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU032808.D
 Acq: 18 Jun 2019 08:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion:	180	Resp:	153845
Ion	Ratio	Lower	Upper
180	100		
182	95.0	78.3	117.5
184	30.4	24.8	37.2
145	29.6	23.4	35.2



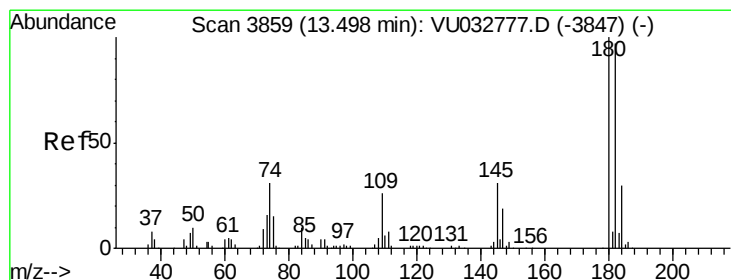
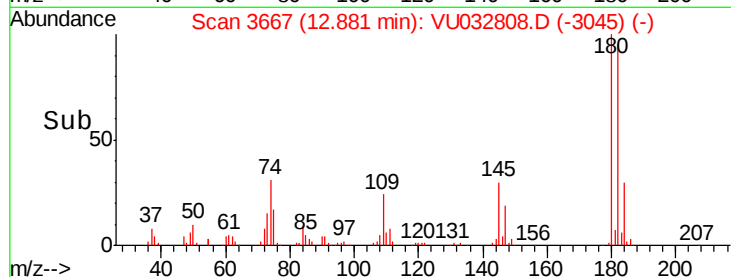
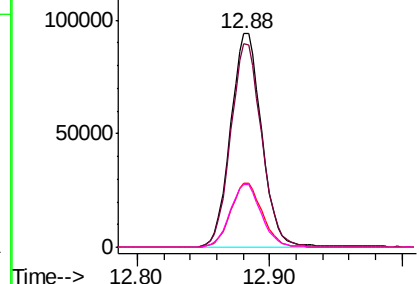
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

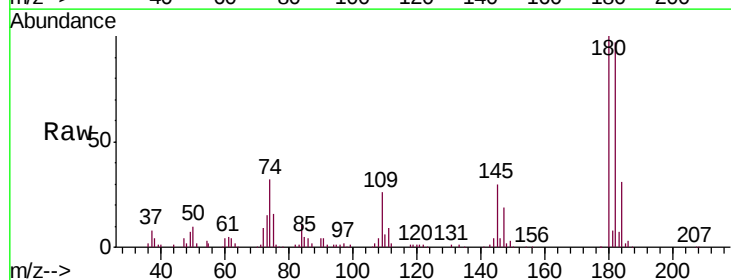
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.970 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032808.D
 Acq: 18 Jun 2019 08:50

Tgt Ion:	180	Resp:	137191
Ion	Ratio	Lower	Upper
180	100		
182	97.8	76.2	114.4
145	30.2	23.8	35.8

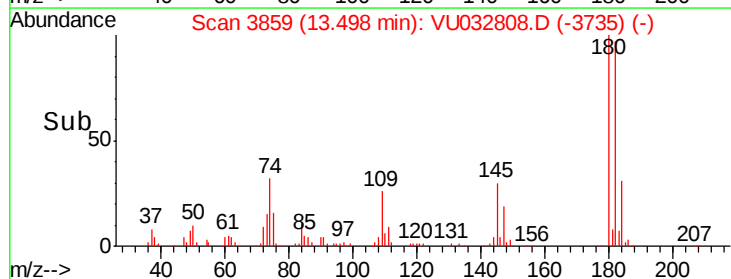
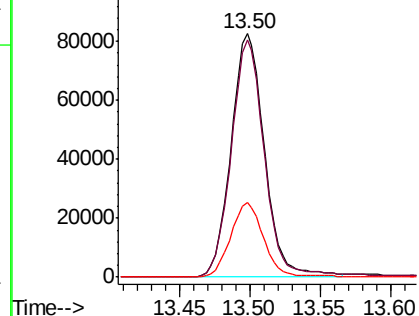


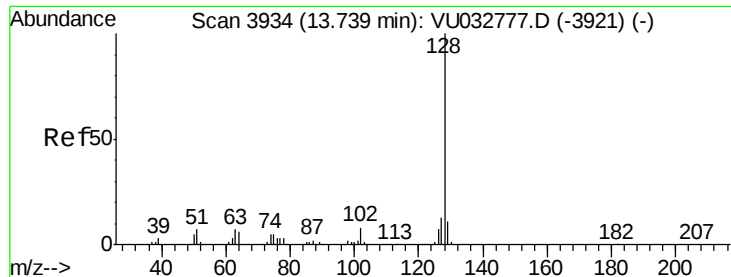
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.463 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

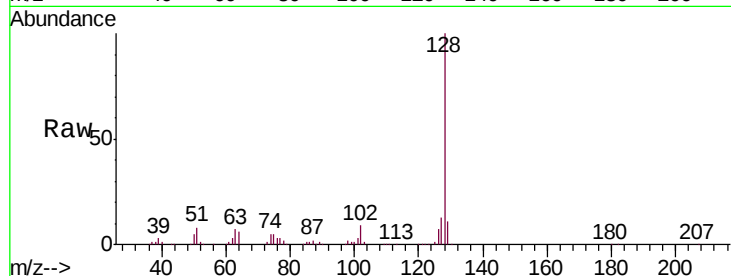
Tgt Ion:128 Resp: 417696

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

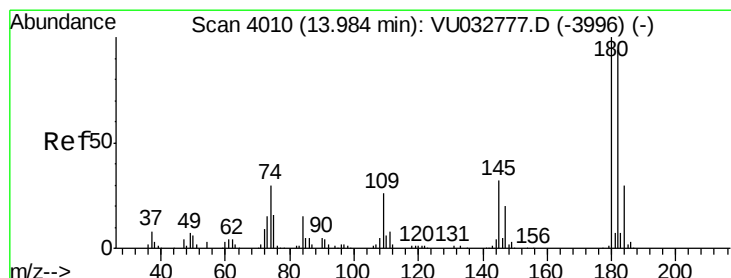
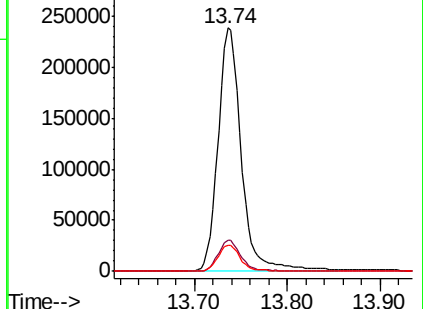
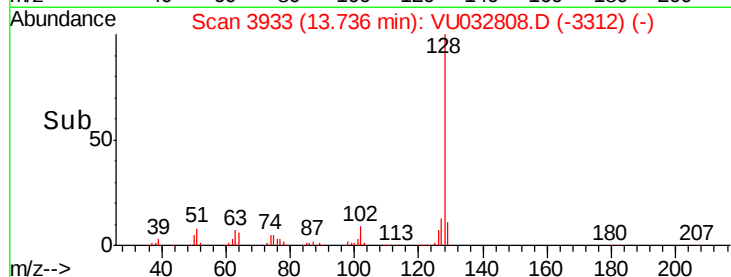
129 10.5 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 50.064 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU032808.D

Acq: 18 Jun 2019 08:50

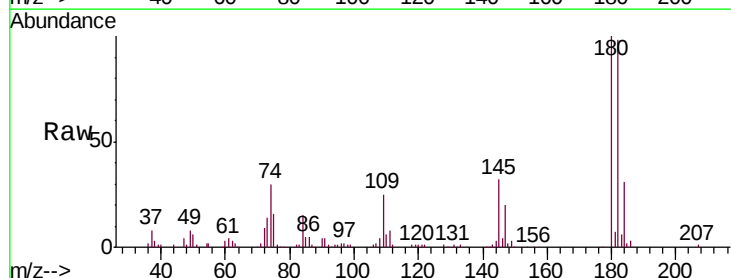
Tgt Ion:180 Resp: 139908

Ion Ratio Lower Upper

180 100

182 94.9 77.0 115.6

145 31.3 25.5 38.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

